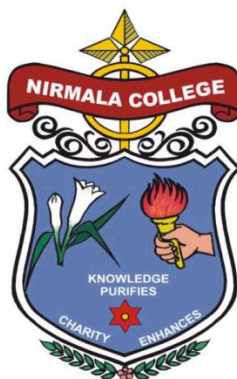


**PROGRESS REPORT BY COLLEGES
SUPPORTED UNDER THE STAR COLLEGE SCHEME**

(BT/HRD/11/019/2017)

(2021 – 2022)

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



NIRMALA COLLEGE FOR WOMEN (AUTONOMOUS)

Reaccredited with 'A' Grade by NAAC in the 3rd 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 2022



ABOUT THE COLLEGE

Nirmala College for women, situated in Red fields, 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 22nd and 23rd 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 THE PROGRESS REPORT (2020-21)

1. **Name of the College** : Nirmala College for Women, Coimbatore
2. **Name of Departments supported** : Mathematics, Computer Sciences, Geography
- Name of Coordinator** : Dr. Pawlin Vasanthi Joseph
- Designation** : Associate Professor and Head
- Address** : Department of Zoology
Nirmala College for Women (Autonomous),
Red fields, Coimbatore
- Phone number** : +91 9655513364
3. **Assessment duration** : 2021 to 2022 **Duration in years:** One Year
4. **Details of Departments Supported**

Sl. No.	Name of the Department	Courses (B.Sc./M.Sc./PG Diploma, certificate etc offered	Regular Faculty Members	
			Total	
			With PhD	Without PhD
1	Mathematics	B.Sc M.Sc PGDOR Certificate Course In Astronomy	10	1
2	Computer Sciences	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)	2	16
3	Geography	B.Sc. Certificate Course In GIS	3	2

5. Number and Date of Advisory Committee Meeting: 17.02.2021

Department	Mentor's Meeting
Mathematics	24.03.2022
Computer Sciences	20.07.2021
Geography	11.03.2022

6. Qualitative improvements due to DBT support (please highlight (5 salient lines))

Department	Qualitative improvements
Mathematics	<ol style="list-style-type: none"> 1. One Week faculty Development Programme was arranged on “e content Skill development “from 14.06.2021-19.06.2021 to upgrade the technical skills of the faculty .An effective e content was prepared by each faculty and is uploaded in the You tube 2. A guest lecture cum hands on training was conducted in MATLAB ,Machine Learning, SCILAB and GEOGEBRA for I & II year Mathematics students. They developed the skill of writing programs on their own. 3. Special coaching on usage of Data Analytics with R was arranged for the III B.Sc (Aided & S.F) Mathematics students .Excellent analytical skills were imbibed by the students. 4. A programme for the supportive staff was arranged on 26.02.2022. Dr.Aramya, Consultant AVP Research foundation gave a clear insight on several health issues.She addressed the supportive staff about the importance of health management with Ayurveda and how to avoid improper sleeping habits. 5 A Programme on IPR and its types was conducted on 11.03.2022 by Dr.Jayashree ,Professor,,PSG Technology ,Coimbatore.Both the staff and students were benefitted from the seminar and on how to patent their findings and also about the types of patents available

Computer Sciences	<ol style="list-style-type: none"> 1. DBT Scheme has enabled the departments to elevate the existing teaching resources, in-turn reflects the enhanced quality of learning and teaching of the students. 2. Workshops/ guest lecturers/Hands on training conducted enabled <i>training</i> for Industry requirements and also helped young Aspirants to participate in Skill India hackathon 2022 by contributing their innovative ideas. 3. Virtual visits conducted under this scheme has enabled deserving students to develop academic understanding and created a platform for employability. 4. Awareness Programme like computer-based education in the modern world , Awareness on women empowerment,Awareness on Mobile Applications for getting Government were conducted in adopted village.
Geography	<ul style="list-style-type: none"> • The funding has enabled the department to carry out an effective extension of our activities to other schools and colleges through many lecture workshop and Science Adda program. • DBT fund has supported the department for organizing workshops hands on training and certificate course for students in recent techniques and software of Geography. • A certificate course of five weeks were organised and imparted training for all the UG students of the College with the help of DBT fund. • 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. <p>The number of students who go for higher studies have been increased due to the exposure that they receive due to the programme organised in the department with help of DBT.</p>

7. Any novel aspect introduced or planning to introduce during the scheme duration

Department	Novel Aspect
Mathematics	<p>A guest lecture cum certificate course on Astronomy was coordinated for the II year students of Mathematics (Aided & SF),Geography and Physics. The students were taught to use the telescope and they viewed the beauty of the sky and enriched their knowledge about the galaxies. During the scheme duration we introduced new courses like Data Analytics with R, Machine Learning and Mathematical Modelling which helped us to conduct guest lectures ,Hands on training to augment the knowledge of the students.</p>
Computer Sciences	<p>Impact of the DBT scheme the department has introduced new courses like Python with Bio informatics, Data Analytics and RPA. Virtual visit was organized for the student to have the elaborated view on printing technologies. Selected students gained the knowledge of web development through summer / winter training Programme.</p>
Geography	<p>A certificate course on” Excel for absolute beginners, was conducted for the UG students of the college in collaboration with Developer Publisher, based in United Kingdom.</p> <p>Rigorous hands on training were imparted to geography students with the help of DBT funds, both in Geographical information system, remote sensing and also advanced survey techniques.</p> <p>Number of field trips which is an extended lab for geography students and industrial visit to the industries associated with the different landforms were organized and benefited by students with DBT funds.</p>

8. Lessons learned/ difficulties faced/ suggestion if any, in implementation of the programme and utilization of DBT grant

Lessons learnt	Difficulties faced	Suggestions
<p>MATHEMATICS</p> <p>The grant received from the DBT aids us to organize many activities namely Workshops, Hands on training, guest lectures and many other programmes for the upliftment of the student community.</p>	<p>1.Since we received the grant during the mid of the academic year , it was difficult to organize lectures and to cope up with the other academic activities.</p>	<p>1.It would be of great use if the grants are released at the beginning of each academic year so that we can organize many more programmes for the benefit of the students.</p>
<p>COMPUTER SCIENCES</p> <p>1. The students have enhanced the skills in various core areas both practically and theoretically from different experts</p> <p>2. The students were able to compare the curriculum content with the industrial exposures</p>	<p>Due to pandemic the events are conducted through online and no live interaction is possible</p>	<p>For each academic year the grants can be released at the earlier to do the work even more effectively</p>
<p>GEOGRAPHY</p> <p>1. Reaching the students in online was tough with many students as first generation learners coming from economically poor background.</p> <p>2. Offline mode is more effective way of reaching out to students and the take away is more effective.</p>	<p>1. The online and remote teaching and learning method due to the pandemic was the major challenge faced in 2020-21.</p> <p>2.Sustained Field visits/Industrial visits/ Hands on training/ Workshops were not conducted due to Covid 19 Pandemic lockdown restrictions .So students lacked the exposure to real time happenings</p>	<p>1. Release of funds in the beginning of the academic year will give us freedom and ample time to distribute our activities in a balanced way throughout the academic year.</p>

9. Performance indicators

Sl. No.	Department	Class	No. of students admitted During the academic year 2021 - 22				Total Strength	Drop outs in numbers
			SC	ST	OBC/MBC/DN C	G		
1	Mathematics	I Year	8	-	27	2	37	1
		II Year	5	-	31	2	38	-
		III Year	5	-	37	1	43	-
		I Year	16	1	113	11	141	7
2	Computer Sciences	II Year	15	-	77	12	104	4
		III Year	21	1	101	7	130	3
		I Year	2	2	18	4	26	2
3	Geography	II Year	9	1	18	1	29	-
		III Year	8	1	26	-	35	-

A) NO. OF STUDENTS PASSING OUT (%)

Sl. No.	Department	Indicator	Class	Total No. of students	Total No. of students passed	Pass percentage	Average marks	No. of students opting for M. Sc (2020-21 batch)
1	Mathematics	No. of students passing out (%)	I Year	37	37	100	70	9
			II Year	38	37	97.3	86	
			III Year	43	43	100	85	
2	Computer Sciences	No. of students passing out (%)	I Year	141	141	100	75	23
			II Year	104	101	96.67	70	
			III Year	130	129	99	70	
3	Geography	No. of students passing out (%)	I Year	30	30	100	71	12
			II Year	34	34	100	73	
			III Year	35	35	100	76	

B) INDUSTRIAL VISITS/ EXPOSURE VISITS FOR THE STUDENTS

Department	Date	Industrial Visit/Exposure visit	No/. of Students and Class
Mathematics	17.02.2022	Aavin District Cooperative Milk Producers Union, Pachapalayam, Coimbatore	II B.Sc Mathematics – 25 Staff -2
	18.03.2022	GASS Forest Museum, Cowley Brown Road, RS Puram, Coimbatore	I B.Sc Mathematics -20 Staff -2
Computer Sciences	17.11.2021	Virtual visit to Department of Printing technology , Avinashilingam University, Coimbatore	130 (I year UG students of Computer Science, Computer Applications and Information Technology)
	11.02.2022 & 25.03.2020	Field trip to Nilgri Biosphere, Anaikatti	109 (I year UG students of Computer Science, Computer Applications and Information Technology)
Geography	08.10.2021	Field trip to Nilgri Biosphere, Anaikatti	29 II years
	19.11.2021	Field Trip to Siruvani River and Nilgri Biosphere National Park	24 I years
	05.03.2022	Field Trip to Malampuzha Dam	29 III years
	15.03.2022	Industrial Visit to Kodanad and Coonoor	68 I, II & III years.

C) SUMMER TRAINING/INTERNSHIP

Department	Date	Topic	Resource Person/Institution	No. of participants
Mathematics	11.06.2021 to 05.07.2021	Mathematics Training and Talent search Programme (MTTS 2021)	S.KUMARESAN Director, MTTS programme, National Board for Higher Mathematics, Delhi	1
Computer Sciences	27.12.2021 to 31.12.2021	Web Development	Mr.R.Senthil Kumar, Founder and Chief Stratergist, Halcyon Digital, Coimbatore	30
Geography	25.05.2021 to 25.07.2021	Company Operations	Bridge Intetelia Knowlwdge Solutions Pvt. Ltd.	1
	01.12.2021 to 31.12.2021	Basics of GIS	Zoological Survey of India, Kolkatta	1
	02.12.2021 to 20.12.2021	Water Resources	Executive Engineer, PWD/WRD., Kodayar Basin Division, Nagercoil.	5
	04.12.2021 to 21.12.2021	Introduction, Capabilities & Recent Trends in GIS	Mr. Sangeetha Natrajan P, Director, GIS PI SOFTTECH Pvt. Vadavalli, CBE	6
	06.12.2021 to 24.12.2021	Identification of Groundwater Potenzial Zones Using GIS and Remote Sensing in Natham District, Tamilnadu, India	The Gandhigram Rural Institute – Deemed to be University, Dindugal, Tamil Nadu	1

	06.12.2021 to 21.12.2021	Water Resources	Water Resources Department, Mining & Monitoring Sub. Division, Vellore, Government of Tamilnadu	1
	06.12.2021 to 24.12.2021	Identification of Groundwater Potenzial Zones Using GIS and Remote Sensing in Natham District, Tamilnadu, India	The Gandhigram Rural Institute – Deemed to be University, Dindugal, Tamil Nadu	1
	08.12.2021 to 22.12.2021	List of Major Solar Projects Commissioned at Tamilnadu& its Monitoring	Vethon Solar Power India Private Limited, Bangalore, Coimbatore Branch (Upplipalayam)	1
	08.12.2021 to 24.12.2021	Basics of Digital Image Processing and Remote Sensing	Dr. V. Jovivek, Managing Director, JS Geospatial Solutions Private Limited, Coimbatore	5
	13.12.2021 to 24.12.2021	Water Resource	Executive Engineer, PWD, Buildings (C & M) Division, Virudhunagar.	1

D) TRAINING PROGRAMME FOR STUDENTS

Department	Date	Training	Resource persons	No of participants
Mathematics	12.07.2021 to 16.07.2021	Five days Hands on Training “LATEX”	Mr.S.Alagupandi Technical Head- Training Aakam Industrial Training & Research Institute, Coimbatore	43
	05.08.2021 & 06.08.2021	Two days Skill Development Hands on Training in MATLAB	Dr.V.Vijayakumar COE, Professor of Computer Science, Sri Ramakrishna	38

			College Of Arts and Science, Coimbatore	
	17.08.2021 & 18.08.2021	Two day Hands on Training Data Analytics with R	Dr.S.Murugappan Professor, School of Managerial Studies,Bannari Amman Institute of Technology, Coimbatore	95
	26.08.2021	Hands on Training Beamer	Mr.S.Alagupandi Technical Head- Training Aakam Industrial Training & Research Institute, Coimbatore	43
	06.09.2021	Hands on Training - Skill Development MATLAB	Dr.T.Deepa, Associate Professor, Dept. of Computer Science, Sri Ramakrishna College Of Arts and Science, Coimabtoe	43
	30.09.2021- 01.10.2021	Two days Skill Development Hands on Training Matlab	Dr.V.Vijayakumar COE,Professor of Computer Science, Sri Ramakrishna College Of Arts and Science, Coimbatore	43
Mathematics	27.10.2021 & 28.10.2021	Two day Hands on Training Data Analytics with R	Dr.Lakshmana Kumar Ramasamy, Head, Centre of Artificial Intelligence and Machine learning, Hindusthan College of Engg. & Technology, Coimbatore	95
	27.10.2021 & 28.10.2021	Two day Hands on Training PYTHON	Dr.Vivek Prabhu Asst. Profesor of Mathematics	40

			Kongu Nadu Arts and Science College, Coimbatore	
Mathematics	09.11.2021	Hands on Training in GEOGEBRA	Mr.S.Alagupandi Technical Head- Training Aakam Industrial Training & Research Institute, Coimbatore	38
	10.11.2021	Hands on Training in SCILAB	Mr.S.Alagupandi Technical Head- Training Aakam Industrial Training & Research Institute, Coimbatore	38
	28.06.2021	Workshop on Yoga and energy	Rev.Sr.Leema Lawrence Principal Nirmala Matric Hr.Sec.School Coimbatore 18	87
	03.07.2021	Workshop on Soft Skills Personality Development	Mrs.Nancy Johnson Head corporate Relations Learning Development The Oxford Educational Institutions, Bengaluru	70
	07.07.2021 & 08.07.2021	Two days Workshop on Skill Development - Digital Security	1.Dr.M.Punithavalli Professor of Computer Applications, Bharathiar University Coimbatore 46 2.Mr.A.Francis Surya Administrator	97

			Karpagam Faculty of Medical Science and Research, Coimbatore	
	09.07.2021	One day Workshop on Entrepreneurship Traits	Dr.P.Karthikeyan Associate Professor School of Management Studies, Kongu Engineering College, Perundurai	86
	15.07.2021 & 16.07.2021	Two days Interdepartmental Workshop on Skill Development, Advanced Excel with Statistical Tools	Dr.Mohini Bhatt Asst.Prof & Head, Management Studeies, Christ Academy, Institute of Advanced Studies , Bengaluru	600
Mathematics	25.08.2021	Workshop on Modelling through Differential Equation	Dr.Isha Dhiman Asst.Prof.School of Mathematics, Thapar Institute of Engineering and Technology, Patiala , Punjab	38
	23.10.2021 & 24.10.2021	A Two day Workshop on Mathematical Machine Learning	Mr.Navneeth Malingan Founder & AI Lead of Nunnari Labs, CTO at Autpod, Coimbatore	50
	22.11.2021 & 23.11.2021	Skill `development Two days workshop on MATLAB	Mr.K.Boopathi Kumar CEO and Founder, Domain Hostly.com Erode	`50
	02/08/2021 – 04/08/2021	Workshop on “Python with DataScience”	Mrs.Vijaya.N Software Developer & Trainer, Coimbatore	99

Computer Sciences	05/08/2021 & 06/08/2021	Workshop on “Python Programming using COLAB”	Dr. Santhana Megala, Assistant Professor, School of Computer Studies, Rathinavel Subramaniam college of Arts & Science, Sular, Coimbatore	30
	09/08/2021 & 11/08/2021	Workshop on “Arduino Programming”	Mr. K. Mahesh Anand, Robotics Trainer, Brainobots, Kuwait.	75
	21/09/2021	Hands on training on “Cyber Security Issues For Women”	Mr. Gurcharan Singh, Cyber faculty for cyber crimes, Central detective training Institute, Government of India, Ministry of Home Affairs, Chandigarh.	133
	10/11/2021 to 12/11/2021	Workshop on “Basic Python”	Mr. S. V. Mahadevan, AI Lead, Shell Business Operation, Chennai, Tamilnadu.	125
	26/11/2021 and 27/11/2021	International Workshop on “Word press in Today’s world”	Dr. N. Sri Devi Ph.D, Programme Head in Computer Science, College of Computer Studies, University of Technology Bahrain, Salmabad, Kingdom of Bahrain.	106
	02/12/2021	Workshop on “Graphics Designing”	Mr.R.Senthil Kumar, Founder and Chief Stratergist, Halcyon Digital, Coimbatore.	140
	09/02/2022 and 10/02/2022	National Workshop on “Foundations of Artificial Intelligence”	Ms.I. Elizabeth L George, Assistant Professor,	132

			Nagindas Khandwala College, University in Mumbai , Mumbai,Maharastra	
Geography	12.07.2021	Lecture Workshop on “Revisiting sustainable development: concept, measurement and outcomes”	Prof. Scuharilasen Centre for the study of Regional Development, School of Social Sciences, Jawaharlal Nehru University, Delhi.	57
	26.07.2021	Lecture Workshop on “Introduction to Anthropology of Crafts”	Dr. Madhu Narayanan, Research Assistant (Anthropology), KIRTADS, Kozhikode, Research Scholar, DoHSS, IIT, Chennai.	59
	27.07.2021 to 31.07.2021	5 Days Hands on Training Program on “Basics of Mapping Using GIS”	Mr. B. Sukumar, Retd. Scientist, National Center for Earth Sciences,Thiruvananthapuram	61
	04.08.2021	Orientation Program on Covid 19 Pandemic on “Vaccines: Boon or Bane”	Dr. Vino S Associate Professor & Head, Department of Biosciences, School of Bio Sciences and Technology, Vellore Institute of Technology (VIT), Vellore, Tamil Nadu.	63
	11.08.2021 to 13.08.2021	Orientation Workshop on Skill Development on the topic ‘D’ To Be ‘D’	Dr.K.Agalya, Assistant Professor of English, Sri Vasavi College, Erode	20
	17.08.2021	Guest Lecture on “Prospects &	Dr. Yuvaraj D. Assistant Professor & Head,	79

	Professional Openings for Geographers	Dept. of Education, Govt. College Education, Komarapalayam, Namakkal Dist.	
23.08.21 to 27.08.21	International workshop on “Excel for Absolute Beginners”	Mr. Senthil Kumar Balu Solution Architect, Gredability, Manchester, UK.	81
20.09.2021	Lecture Workshop on “Introduction to Surveying”	NagarathinamAnand , Former Assistant Professor, Jigjiga University, Ethiopia.	55 (I,II UG)
21.09.2021	Lecture Workshop on “Recent trends in Surveying”	Dr. Sanjeev Prasad S Assistant Professor, Department of Geograh, University of Madras, Chennai.	58 (I,II UG)
22.09.2021 to 24.09.2021	3 Days Hands on Training on Survey Techniques on the topic “Modern Techniques in Surveying Using Drone, DGPS and Total Station”	Dr.Selva Raj, Managing Director, Athira Geo Spatial Service Pvt.Ltd. No:1,Manimegalai Street, Pollikkaalamai, Chennai	33 (III UG)
27.09.2021	Five Weeks Certificate Course on “Excel for Absolute Beginners”	Mr. Senthil Kumar Balu Solution Architect, Gredability, Manchester, UK.	2203(whole college)
29.09.2021 - 14.10.2021	Certificate Course on “Basics of GIS”	NagarathinamAnand , Former Assistant Professor, Jigjiga University, Ethiopia.	35
07.12.2021	Self-Positioning Strategy	A.Angeline Rubia, Head Operations, Fytowall India, New Delhi.	54 (I, III UG Geography)

08.01.2021 to 09.12.2021	Canvas Preparation	A. Angeline Rubia, Head Operations, Fytowall India, New Delhi.	54 (I, III UG Geography)
14.12.2021	One day Workshop on “Yoga for Women”	Ms. Gayathri, Certified Under Ministry of Ayush, Specialization in infertility, Prenatal, Postnatal and Garbhasankar	51 (I, III UG Geography)
28.02.2022	Invited Lecture on the topic All About the Where! Geography – Scope and its Global Opportunities	Mrs. Saraswathi Lakshminarasiman, Former Teaching Assistant, University of Cincinnati, Ohio, USA	60 (I, II & III UG Geography)
04.03.2022	Invited Lecture on “Challenges in Competitive Examinations and Opportunities for Geography Students”	Dr. Arul P, Associate Professor, Department of Geography, Govt Arts College (A), Salem.	72 ((I, II & III UG Geography)
7.03.2022	Introduction to Intellectual Property and patents	Ms. Jaishri Jayawanth Manager II, Engineering Team Leader, Caterpillar Inc. Bangalore.	64 (I, II, III UG Geography)
11.03.2022	One day Workshop on “Research Methodologies in Geography”	Dr. V. Tamilarasan, Associate Professor & Head, Department of Geography, Govt Arts College, Karur	114 (I, II, III UG Students of Nirmala College for Women & PG students of Government Arts College) 8 Staff

E) FDP/TRAINING PROGRAMME/WORKSHOP ORGANIZED BY THE DEPARTMENT

Department	Date	FDP/Training Programme/Workshop	Resource persons	No of participants
Mathematics	14.06.2021 to 19.06.2021	Faculty Development Programme One Week FDP on "e-Content Skill Development	Dr.Vimal Jerald Dept.Of Computer Science St.Josephs College Tiruchy 2	167
	26.02.2022	Supportive Staff Development Programme on Health Management with Ayurveda	Dr.Aramya A.R Consultant AVP Research Foundation	57
Computer Sciences	15/11/2021 to 19/11/2021	“Fabricating Powerful Webs using CMS	Ms.K. Boopathikumar, CEO and Founder, Training Trains & Domain hostly.com, Erode, Tamil Nadu.	31
Geography	24.03.2022	Awareness programme for supportive staff ”Food adulteration: state of traceability”	Dr.P.Divya Assistant Professor Department of Chemistry Nirmala College for Women.	45

F) NO. OF NEW EXPERIMENTS INTRODUCED

Department	Class	List of new practical introduced
Maths	II-B.Sc	<ol style="list-style-type: none"> Create matrices A, B and C and check whether the addition of the matrices is <ol style="list-style-type: none"> Commutative Associative Distributive Plot a graph of the following $f(t) = e^{t/10} \sin(t)$, $0 \leq t \leq 20$. Write a function named cosine – series to evaluate the cosine series Create a square matrix to find eigen values and eigen vectors.

		<p>5. Create structure array to contain the following types of student data. Student name, Admission number, E mail address, Test scores</p> <p>6. Draw a filled circle and view it in 3D</p> <p>7. Draw a Pie chart for the given values of world population of various continents.</p> <p>8. To find mean, median and standard deviation of the given data.</p> <p>9. To find the integration value for the given function.</p> <p>10. To find the solution of a quadratic equation.</p>
Computer Science	II-B.Sc	<p>1. Write a program to create a dictionary from two lists without losing duplicate values.</p> <p>2. Write a program to print the nucleotide name from single letter code.</p> <p>3. Write a program to find the molecular weight of a DNA sequence.</p> <p>4. Write a program to find the distance between points using class.</p>
	III-B.Sc	<p>1. Write a program to retrieve a protein sequence in fasta format from Swissprot database.</p> <p>2. Write a program to retrieve a nucleotide sequence from Genbank database.</p> <p>Write a program to translate a DNA sequence from Genbank to a protein sequence.</p>
Geography	I B.Sc	<p>-Representation of relief in maps- spot heights, hachures, hill shading, layer tints and interpolation of contours</p> <p>-Introduced Simple profile</p> <p>-Introduced compulsory field trip with geo tagged photos and report</p>
	II B.Sc	Introduced interpretation of NATMO thematic Maps
	III B.SC	Survey using Total Station & DGPS

G) PUBLICATIONS (SCOPUS INDEXED)/PATENTS, IF ANY

Department	Month & Year	Name of the faculty	Topic	Name of the Journal	Vol No, Issue No, Pg No	ISSN	Impact factor	Indexing Details
Mathematics	June 2021	Vyshna Unni Dr.K. Julia Rose Mary	M/M/1 Differentiated Vacation Queueing System under Mixed Strategy of Customers with Partial Vacation Interruption	Strad Research	Vol 8, issue 6, pp 9-18.	Issn No. 0039-2049,	IF: 6.1	Web of Science
	November 2021	Jerlin Seles Dr.U. Mary	Strategy on Disaster Recovery Management based on Graph Theory Concepts	International Journal of Recent Technology and Engineering	Volume-10 Issue-4, November 2021. Page No.: 31-34.	Issn No. 2277-3878		Scopus
	December 2021	Angel Marina A Dr. A. Francina Shalini	An Introduction to Neutrosophic Vague Refined set	Neutrosophic Sets and Systems	Vol 47, pp 601-619	Issn No. 2331-6055 (Print) 2331-608X (Online)	4.6	Scopus
	December 2021	Remya P.B Dr. A. Francina Shalini	On Neutrosophic Vague Binary BZMV ^{DM} Sub algebra of BZMV ^{DM} algebra in Neutrosophic Vague Binary Sets	Neutrosophic Sets and Systems	Vol 47,316-337	Issn No. 2331-6055 (Print) 2331-608X (Online),	4.6	Scopus

Mathematics	December 2021	Remya P.B Dr. A. Francina Shalini	On Neutrosophic Vague Binary G Sub algebra of G algebra in Neutrosophic Vague Binary Sets	Neutrosophic Sets and Systems	Vol 38(1), 576-598	Issn No. 2331-6055 (Print) 2331-608X (Online),	4.6	Scopus
	2021	R.Jansi Dr. K. Mohana	Pairwise Pythagorean Neutrosophic P-spaces (with dependent neutrosophic components between T and F)	Neutrosophic Sets and Systems	Vol-41, PP 246-257, 2021	Issn No. 2331-6055 (Print) 2331-608X (Online),	4.6	Scopus
	2021	R.Princy Dr. K. Mohana	Neutrosophic Bipolar Vague Generalized Alpha Continuous Mappings	Journal of Xi'an University of Architecture and Technology	XIII, Issue 7,696-704, 2021	Issn No:1006-7930	3.7	Scopus
	2021	R.Princy Dr. K. Mohana	Clustering Methods Using Distance Based Similarity Measures of Spherical Fuzzy Sets	GIS Science Journal	8(8), 763-775, 2021	1869-9391,	6.1	Scopus Active and UGC Care group 2
	2021	Mohanasundari.M Dr. K. Mohana	Quadripartitioned Single Valued Neutrosophic Generalized Closed Sets and Generalized Connected, Compact Spaces.	The International journal of analytical and experimental modal analysis	13(6), 13-20, 2021	Issn No: 0886-9367	6.3	UGC Care group 2

Mathematics	January 2022	R.Rajalakshmi Dr.K. Julia Rose Mary	Assessment for choosing the best alternative fuel under Hesitant bipolar-valued fuzzy multi criteria decision making	AIP Conference Proceedings	Vol 2385, issue 1,	Issn No. 080001	0.40	Scopus
	December 2021	Mary Margaret Dr.M. Trinita Pricilla	Bipolar neutrosophic soft generalized pre-continuous mappings	International Journal of Neutrosophic Science	Vol 16 Issue 2, 2021	Issn No. 2690-6805		International
	2021	R.Princy Dr. K. Mohana	Neutrosophic Bipolar Vague Resolvable and Neutrosophic Bipolar Vague Irresolvable Spaces	Journal of Computational Mathematica	5(1), 076-0872021	Issn No.2456-8686		International
	2021	R.Princy Dr. K. Mohana	Spherical fuzzy cross-entropy for multiple attribute decision making problem	Journal of fuzzy extension and Application	2021	Issn no. <u>2783-1442</u> ,		International
Mathematics	2021	Mohanasundari Dr. K. Mohana	Quadripartitioned Neutrosophic Mappings with its Relations and Quadri Partitioned Neutrosophic Topology	International Journal of Mathematics And its Applications	9(1), 83-93, 2021	Issn No. 2347-1557		International

	2021	S.Sreeja Dr.U. Mary	Maximum Independent Seidel Energy of a Graph	Journal of Physics: Conference Series	Vol-1947, No. 012051,1-5, 2021	Issn No. 1742-6596		International
Computer Sciences	2021	Jismi c.p R.Uma Maheswari	DISEASE PREDICTION AND ANALYSIS OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE USING DATAMINING	Mukt Shabd Journal	VOLUM E X ISSUE III 2021 pg:921		4.6	UGC Journal
	2021	Sanofer. B R.Uma Maheswari	SECURE FILE STORAGE ON CLOUD USING CRYPTOGRAPHIC TECHNIQUE	Mukt Shabd Journal	VOLUM E X ISSUE III 2021 pg:927		4.6	UGC Journal
	2021	Deepa.R Ms.Lincy Jacqueline	MACHINE LEARNING ALGORITHM BASED ON CORONA VIRUS PREDICTION	Mukt Shabd Journal	Volume X, Issue IV, 203-208		4.6	UGC Journal
	2021	Celina Christy V.R Ms.Lincy Jacqueline	DATA ANALYTICS ON LIBRARY TRANSACTION DATA AND ASSESSMENT IN BIG DATA PERSPECTIVE	Mukt Shabd Journal	Volume X, Issue IV, 905-910		4.6	UGC Journal

Computer Sciences	2021	Pavithra.T, Ms.C.Clement Sherlin	PREDICTION OF BREAST CANCER USING SUPERVISED MACHINE LEARNING TECHNIQUES	Mukt Shabd Journal	Volume X, Issue IV, Pg.No 190-195		4.6	UGC Journal
	2021	Cylshia Fanny.J Ms.C.Clement Sherlin	MACHINE LEARNING ALGORITHM BASED ON SKIN CANCER PRE,DICTION	Mukt Shabd Journal	Volume X, Issue IV, 196-202		4.6	UGC Journal
	2021	Haripriya.P Mrs.R.Usha devi	HEART DISEASE PREDICTION BASED ON MACHINE LEARNING ALGORITHM	Mukt Shabd Journa	Volume X, Issue IV, 161-165		4.6	UGC Journal
Geography	2021	Sreelakhsmy M, Dhanusree M & V Thangamani	Application of GIS techniques to Understand the geomorphometric characteristics of a tropical watershed in South Asia	Geology, Ecology and Landscapes	Vol:5	DOI: 10.1080/ 2474950 8.2021.1 952749		Scopus
						ISSN: 2474950 8		

Geography		Helan Jenifer S and Dr. Jyothirmayi P	Geospatial Mapping and Assessment of Groundwater Depletion Due to Urbanization in Coimbatore District	International Journal of Environment , Ecology, Family and Urban Studies	Vol: 11, Issue: 2 Page No: 125-132	ISSN(E) : 2321- 0109		International
		Ms. Sreelakshmy M	Rubrique solstices et équinoxes	Confins- Revue Franco- Bresilienne de geographie	Vol: 53	ISSN:19 58-9212 https://doi.org/10.4000/cofnfins.43320	5.8	International

H) BOOKS PUBLISHED BY THE STAFF

Department	Year	Name of the Faculty	Name of the Book	ISBN/ISSN
Mathematics	2021	Dr. K. Mohana	Laboratory Manual MATLAB Core Practical	978-93-5566-606-2
Computer Sciences	-	-	-	-
Geography	2022	Dr.Jyothirmayi P Ms. Sreelakshmy M Dr. Meenakshi P Dr. Franchina Mary A Helan Jenifer S	Adipadai Puviyial	Waiting for ISBN Copy Right No-L-111568/2022 Date 01/02/2022

I) BOOKS/BOOK CHAPTERS PUBLISHED BY THE STUDENTS

Department	Year	Name of the student	Name of the Book	IBBN/ISSN
Mathematics	2021	1. Periyarmadhi.S 2. Sumaiya Sultan M	Positive Butterfly	9354524707
	2021	Sangeetha Priya .P.R	Valibathin Sorgnagal	9798892662940
	2022	Sangeetha Priya .P.R	Thanimayin Varigal	Online Kindle Publications
Computer Sciences	-	-	-	-
Geography	-	-	-	-

J) PUBLICATION BY THE FACULTY IN BOOK CHAPTERS

Department	Name of the Faculty	Title of the Paper	Name of the Journal / Book	Published by	Publication Details
Mathematics	Sr.Stanis Arul Mary	A Note on Pentapartitioned Neutrosophic Pythagorean sets	Neutrosophic system and its Applications " A New Wave"	www.lulu.com	221-234
Computer Sciences	-	-	-	-	-
Geography	Ms. Sreelakshmy M	Untangling the Web of Raw material supply for Ayurvedic Industries: The complex Geography of Plant Circulations	Asian Medical Industries Contemporary Perspective on Traditional Pharamaceuticals (Chapter in a book)	Routledge Publications, Taylor & Francis Group, UK.	ISBN: 9781033333211 0226

K) TRAINING RECEIVED BY FACULTY

Department	Date	Training	No/. of faculty
Mathematics	22.04.2021-23.04.2021	Workshop on "Andragogy of online Teaching & Learning", IQAC-Paramarsh Scheme, Nirmala College for Women, Coimbatore	1
	24.04. 2021	Workshop on NEP-"Implementation Imperatives for Higher Education System, IQAC-Paramarsh Scheme, Nirmala College for Women, Coimbatore	1
	19.05.2021	Virtual Workshop on "Academic Publications and Bibliometrics", Department of Library, Nirmala College for Women, Coimbatore	1
	16.06.2021	Practicalities in Student Support and Progression, IQAC-Paramarsh Scheme, Nirmala College for Women, Coimbatore	1
	25.06.21	Hands on Training Geogebra	1
	30.06.21-30.07.21	Innovation Ambassador Training Program	1

	30.07.2021	Workshop on “Best Practices in Teaching Learning and Evaluation, IQAC, Nirmala college for women, Coimbatore under PARAMARSH Scheme	3
	09.08.21 - 14.08.21 & 16.08.21 - 19.08.21	FIP online short term course on Biostatistics and R Programming	1
	04.10.21 - 12.10.21.	Short-Term Training Program, “Enhancing Young Minds”	1
	20.11.21	IQAC and NAAC Coornidates meet "Environment Management System Green Campus Audit and Engergy audit at Educational Institutions and Industrial Sectors	3
Computer sciences	22.04.2021- 23.04.2021	Workshop on “Andragogy of online Teaching & Learning”, IQAC-Paramarsh Scheme, Nirmala College for Women, Coimbatore	2
	08.11.2021	Workshop on python programming by Dr.MGR Educational and Research Institute	1
	24.04. 2021	Workshop on NEP-“Implementation Imperatives for Higher Education System, IQAC-Paramarsh Scheme, Nirmala College for Women, Coimbatore	1
	09.11.21 To 13.11.21	Research with Patenting	3
	22.7.21 To 23.7.21	Research for Academic Excellences	3
	07.06.21 To 09.06.21	Mobile App Development	1
	03.06.21	Landscapes in Research Language and Literature	1
	10.06.21 & 11.06.21	Two-Days Online Workshop on Universal Human Values”	1
	21.06.21 To 25.06.21	Zero Coding:Data Analytics &Machine Learning for IOT Automation	1
	24.06.21	Tips on Literature Search & Writing Scientific Papers	1
28.06.2021	Workshop – Best Practices in evolving benchmarks in higher education institutions	2	

	30.07.2021	Workshop – Best Practices in teaching learning and evaluation	1
	04.08.2021	Workshop – Best Practices in Governance and Leadership	1
	9.11.2021 – 13.11.2021	Online Workshop – Research with Patenting	1
Geography	19-07-2021 to 30.07.2021	Geospatial Technology for Hydrological Modelling	1
	02.08.2021 to 06.08.2021	Geospatial modelling for Watershed Management	1

Department	Date	Workshop	No/. of faculty
Mathematics	-	-	-
Computer Science	-	-	-
Geography	-	-	-

Department	Date	Orientation Program	No/. of faculty
-	-	-	-
Department	Date	Refresher Course	No/. of faculty
-	-	-	-
Department	Date	Short Term Course	No/. of faculty
Mathematics	09.08.21 - 14.08.21 & 16.08.21 - 19.08.21	FIP online short term course on Biostatistics and R Programming Rathinavel Subramaniam College for arts and Science College	1
	04.10.21 - 12.10.21.	Short-Term Training Program, “Enhancing Young Minds” Sathyabama Institute of Science and Technology, Chennai	1
Department	Date	Induction Program	No/. of faculty
Geography	01.02.2022 to 02.03.2022	Faculty Induction Programme	1

L) EXHIBITIONS/ SEMINARS/ TRAINING COURSES CONDUCTED

Department	Date	Symposium/Seminar/workshop topic	Resource persons	Level	No. of participants
Mathematics	26.07.2021 to 07.08.2021	Certificate Course on Skill development - Reasoning and Quantitative Aptitude	1.Ms.A.Tamilarasi Alumna,Indian Bank, Erode 2.Ms.Christina Varghees,Alumna, Bank of India, Coimbatore	-	81
	22.09.2021 to 12.10.2021	Certificate Course Astronomy	Mr.Kupppusamy Retd, Observer, Vainu Bappu Solar Observatory, Kavalur, Tamilnadu	-	96
	28.01.2022	International Seminar on”Recent Trends in Pure and Applied Mathematics”	1.Dr.V.Lakshmana Gomathi Nayagam Asst.Profe and Head Dept.Of Mathematics,NIT,Trichy 2.Dr.Nur Tasnam Binti Jaffar Lecturer Asia Pacific University of Technology & Innovation Kualalumpur Malaysia 3.Dr.Geetha Sivaraman Asst.Professor Dept.of Mathematics St.Josephs College Trichy 2	International	97

			4.Dr.Ghajendran Poovandran Lecturer Asia Pacific University of Technology & Innovation Kualalumpur Malaysia		
	16.02.2022	Symposium on OR	1.Dr.M.Senthil Kumar Dept.Of Applied Mathematics & Computational Sciences,PSG Technology,Coimbatore 2.Dr.S.Jeyabharathi Asso.Professor Hindusthan Institute of Technology,Coimbatore	Regional	86
Computer Science	23/10/2021	Seminar on Research Stratergies and Technologies	Mr.Anand Haridas, Assistant Professor, Ahaila school of Engineering, Palakkad, Kerala. Mr.Rex Antony, Founder & CEO. Rex Cyber Solutions PVT Ltd. Dr.S.Raja, Head, Department of Computer Science and computer Applications, Jeppiar college of Arts and science, Chennai	National	104

Geography	27.07.2021 to 31.07.2021	5 Days Hands on Training Program on “Basics of Mapping Using GIS”	Mr. B. Sukumar, Retd. Scientist, National Center for Earth Sciences, Thiruvananthapuram	-	61
	27.09.2021	Five Weeks Certificate Course on “Excel for Absolute Beginners”	Mr. Senthil Kumar Balu Solution Architect, Gredability, Manchester, UK.	International	2203(whole college)
	29.09.2021 - 14.10.2021	Certificate Course on “Basics of GIS”	Nagarathinam Anand , Former Assistant Professor, Jigjiga University, Ethiopia.	-	35

M) BOOKS/JOURNALS SUBSCRIBED FROM GRANTS:

Department	List of Books	No. of copy
Mathematics	1.Statistical Quality Control	5
	2.Complilers	1
	3.Linear Algebra	1
	4.Numerical Methods using MATLAB	1
	5.Introduction to Computing and Problem Solving using PYTHON	1
	6.Linear Algebra and its Applications	5
	7.SCILAB A beginner's Approach	1
	8.R in Action Data Analytics and Graphics with R	1
	9.Mathematical Modelling	1
	10.Analytical Geometry and Vector Analysis	
	11.Vector Analysis with Applications	1
	12.Statistical Quality Control	1
	13.Mathematical Analysis	1
	14.Mathematical Modelling	3
	15.Statistical Quality Control	5
	16.Linear Intergral Equations	1
	Total	32
Computer Science	-	-
Geography	-	-

N) RECURRING EXPENDITURE

Department	Date	Recurring grant	Amount (Rs.)
Mathematics	14.6.2021 to 19.6.2021	One week FDP workshop on “e content & Skill development”	15000
	25.6.2021	Guest lecture on “Ethics in Gender Equality “	2000
	28.6.2021	Workshop on “Yoga and energy Healing”	4000
	2.07.2021	Guest lecture on “Health and Hygiene”	2000
	3.07.2021	Guest lecture on Soft skill Personality development programme	2000
	7.07.2021 & 8.07.2021	Workshop on Entrepreneurship traits	2500
	9.07.2021	Two days workshop on skill development in digital security	5000
	12.07.2021 to 16.07.2021	Five days hands on training in Latex	10000
	15.07.2021 to 16.07.2021	Inter departmental two days workshop on Advanced Excel	5000
	19.07.2021	Interdepartmental Guest lecture on skill development statistical quality control	2000
	05.08.2021 & 6.08.2021	Two days skill development hands on training in Matlab	5000
	26.07.2021 to 07.08.2021	Certificate course on skill development	6000
	17.08.2021	Guest Lecture on Cyber Security and safety	2000
	17.08.2021 & 18.08.2021	Two Days Hands on training in Data Analytics with R	5000
	25.08.2021	Workshop on Modelling through Differential Equations	5000
	26.08.2021	Hands on training -BEAMER	5000
	6.09.2021	Skill Development Hands on training in Matlab	5000
	13.9.2021	Guest Lecture in Astronomy	2000
22.09.2021 to 12.10.2021	Certificate Course in Astronomy	15000	

22.10.2021 & 23.10.2021	Workshop on Mathematical machine learning	5000
25.10.2021	Guest Lecture on Machine Learning	2000
27.10.2021 & 28.10.2021	Two day Hands on training Data Analytics with R	5000
26.08.2021	Hands on training -BEAMER	5000
6.09.2021	Skill Development Hands on training in Matlab	5000
13.902021	Guest Lecture in Astronomy	2000
22.09.2021 to 12.10.2021	Certificate Course in Astronomy	15000
22.10.2021 & 23.10.2021	Workshop on Mathematical machine learning	5000
25.10.2021	Guest Lecture on Machine Learning	2000
27.10.2021 & 28.10.2021	Two day Hands on training Data Analytics with R	5000
27.10.2021 & 28.10.2021	Hands on training on PYTHON	5000
9.11.2021	Hands on training in Geogebra	5000
10.11.2021	Hands on training in Scilab	5000
22.11.2021 & 23.11.2021	Skill development Two day Workshop on Matlab	5000
22.12.2021	Ramanujan's Day Celebration	19216
22.12.2021	Project ,Printing and Binding	784
28.01.2022	International Seminar on";Recent trends in Pure and Applied Mathematics"	12000
16.02.2022	Global Books	18200
16.02.2022	Symposium on "Operation Research"	8000
17.02.2022	Industrial Visit "Aavin Palagam"	1800
07.02.2022	Science ADDA –Maths Puzzles –Prize	1200
07.02.2022	Project Binding and Xerox	1370
07.02.2022	Courier -Certifications	180
07.02.2022	Catering	150
26.02.2022	Supportive Staff Development Program	2280
09.03.2022	Project Binding	1820
11.03.2022	Guest Lecture on IPR and its types	1500
	TOTAL	2,00,000

Computer Sciences	04/08/2021	Guest Lecture on “Bioinformatics – A revolutionary way of using Computer technology	2,000.00
	02/08/2021 – 04/08/2021	Workshop on “Python with Data Science”	10,000.00
	05/08/2021 & 06/08/2021	Workshop on “Python Programming using COLAB”	12,000.00
	09/08/2021 & 11/08/2021	Workshop on “Arduino Programming”	15,000.00
Computer Sciences	13/08/2021	Guest Lecture on “Data Science – DEMYSTIFIED”	2,000.00
	17/08/2021	Guest Lecture on “Tableau”	2,000.00
	18/08/2021	Guest Lecture on “Artificial Intelligence for Beginners – Hands on Using Microsoft Azure	2,000.00
	19/08/2021	Guest Lecture on “Building Compute Intelligence using Machine Learning”	2,000.00
	21/09/2021	Hands on training on “Cyber Security Issues For Women”	6,000.00
	23/10/2021	National Seminar on “Research Strategies and Technologies”	9,500.00
	25/08/2021	Guest Lecture on “Real Time Application using Vanet”	2,000.00
	10/11/2021 to 12/11/2021	Workshop on “Basic Python”	19,865.00
	15/11/2021 to 19/11/2021	Faculty Development Programme on “Fabricating Powerful Webs using CMS”	20,224.00
	17/11/2021	Virtual Visit	5,000.00
	26/11/2021 and 27/11/2021	International Workshop on “Word press in Today’s world”	10,000.00
	02/12/2021	Workshop on “Graphics Designing”	14,682.00
	27.12.2021 to 31.12.2021	Summer / Winter Training	18,000.00
	09/02/2022 and 10/02/2022	National Workshop on “Foundations of Artificial Intelligence”	10,000.00
	07/02/2022	Competition :“ICONICA” – Event conducted during SCIENCE ADDA	1200.00
	07/02/2022	Print out, Courier and Certifications	529.00

Computer Sciences	10/02/2022	Guest Lecture on “Python Essentials in Today’s world”	2,000.00
	10/02/2022	Guest Lecture on “Future scope for wireless sensor network”	2,000.00
	10/02/2022	Guest Lecture on “The Better connected world in IoT”	2,000.00
	11/02/2022	Guest Lecture on “Recent trends in Artificial Intelligence”	2,000.00
	11/02/2022	Guest Lecture on “Cloud Computing”	2,000.00
	11/02/2022	Guest Lecture on “Innovative Digital Ideas”	2,000.00
	12/02/2022	Competition :“An Intercollegiate coding Quest”	6000.00
		Project Binding and Xerox	18,000.00
		TOTAL	2,00,000.00
Geography	12.07.2021	Lecture Workshop on “Revisiting sustainable development: concept, measurement and outcomes”	3000
	26.07.2021	Lecture Workshop on “Introduction to Anthropology of Crafts”	3000
	27.07.2021 to 31.07.2021	5 Days Hands on Training Program on “Basics of Mapping Using GIS”	20,000
	04.08.2021	Orientation Program on Covid 19 Pandemic on “Vaccines: Boon or Bane”	3000
	11.08.2021 to 13.08.2021	Orientation Workshop on Skill Development on the topic ‘D’ To Be ‘D’	6000
	17.08.2021	Guest Lecture on “ Prospects & Professional Openings for Geographers	2000
	23.08.21 to 27.08.21	International workshop on “Excel for Absolute Beginners”	15000
	20.09.2021	Lecture Workshop on “Introduction to Surveying”	3000
	21.09.2021	Lecture Workshop on “Recent trends in Surveying”	3000

	22.09.2021 to 24.09.2021	3 Days Hands on Training on Survey Techniques on the topic “Modern Techniques in Surveying Using Drone, DGPS and Total Station”	59000 4400 1362
	27.09.2021	Five Weeks Certificate Course on “Excel for Absolute Beginners”	23000
	08.10.2021	Field Trip to Nilgri Biosphere, Anaikatti	13250
	29.09.2021 - 14.10.2021	Certificate Course on “Basics of GIS”	15000
	19.11.2021	Field Trip to Siruvani River and Nilgri Biosphere	15000
	14.12.2021	One day Workshop on “Yoga for Women”	1500
	28.02.2022	Invited Lecture on the topic All About the Where! Geography – Scope and its Global Opportunities	3000
	04.03.2022	Invited Lecture on “Challenges in Competitive Examinations and Opportunities for Geography Students”	2000
	05.03.2022	Field Trip to Malampuzha Dam	4488
		Total	2,00,000

CONTINGENCY

Department	Date	Recurring grant	Amount (Rs.)
Mathematics	-	-	-
Computer Sciences	-	-	-
Geography	-	-	-

O) OUTREACH/EXTENSION ACTIVITIES

Department	Date	Activity	Place	Number of Beneficiaries
Mathematics	16.03.2022	Taught about Women Empowerment	Pasumanipudur Palamalai village	20
	17/10/2020	Awareness and need of computer-based education in the modern world	Palamalai Village	30
	08/10/2020	Education on mobile banking	Ranganathpuram Village	35

Computer Sciences	08/10/2020	Awareness on women empowerment	Ranganathpuram Village	35
	08/10/2020	Awareness on Mobile Applications for getting Government Documents	Palamalai Village	38
Geography	30.10.2021	Demonstrated the making of bio enzymes to villagers the	Visit to Perumpathy Village	23 villagers
	05.03.2022	Taught the making of paper bags to the villagers	Visit to Perumpathy Village	17 villagers

P) BEST PRACTICES

Department	DATE	ACTIVITY	Amount/ Number
Mathematics	2021-2022	Celebrating the genius in you	108
Computer Sciences	2021-2022	Awareness of digital education	Admission Purpose
		Developed Admission management software for the college office.	
		Incubate and Launch excel through innovation project creation	Final Year Projects
Geography	2021-2022	Paper Bag Preparation	Made and supplied 1, 30,000 paper bags to the college canteen and school canteen to prevent the usage of plastic carry bags.

Q) Colleges mentored to apply for DBT Star College grants

Departments	Colleges mentored
Mathematics	Jamal Mohammed College, Trichy
Computer Sciences	Nil
Geography	Nil

R) INVITED LECTURES

Department	Date	Name and Designation of Resource person	Topic	No of participants
Mathematics	25.06.2021	Dr.M.Raziya Parvin Headof the dept. of History Queen Marys College Chennai	Guest Lecture on Ethics in Gender Equality	87
	02.07.2021	Dr.R.Thamilselvi Professor & Head Department of Pathology Vinayaka Mission Kirubaandar Variyar Medical College & Hospital	Guest Lecture on Health and Hygiene	87
	19.07.2021	Ms.Dhivya V.R Asst.Professor St.Claret College Bengaluru	Interdepartmental Guest Lecture on Skill Development Statistical Quality Control	100
	17.08.2021	Dr.V.Vijayakumar COE,Prof in Computer Science, Sri Ramakrishna College of Arts and Science,Coimbatore	Guest Lecture on Cyber Security and Safety	75
	10.09.2021	Mr.Kuppusamy Retd.Observer Vainubappu Solar Observatory Kavulur,Tamilnadu	Guest Lecture -Basic Concepts of Astronomy	100
	25.10.2021	Dr.T.Deepa Associate Professor Dept.of Computer Science Sri Ramakrsihna College of Arts and Science,Coimbatore	Guest lecture on Machine Learning	50
	11.03.2022	Dr.Jeyashree.L.S Professor PSG Technology, Coimbatore	Guest Lecture on IPR and its Types	60
	04/08/2021	Dr.B.Gayathri, Associate Professor of Computer science, Bishop Heber College (Autonomous), Tiruchirapalli, Tamil Nadu.	Guest Lecture on “Bioinformatics – A revolutionary way of using Computer technology	100

Computer sciences	13/08/2021	Dr.Bharathisindhu, Assistant Professor, Department of Computer Applications, Vellarar college for women, Thindal, Erode.	Guest Lecture on “Data Science – DEMYSTIFIED”	95
	17/08/2021	Dr.S.Gomathi, Product Lead & Training Head, Data Science and Data Analytics, Cloud Kampus, Cadd Center Training services, Chennai	Guest Lecture on “Tableau”	97
	18/08/2021	Dr.Lakshmana Kumar Ramasmy, Head – center for excellence for Artificial Intelligence and Machine Learning, Hindusthan college of Engineering and Technology, Coimbatore, Tamil Nadu.	Guest Lecture on “Artificial Intelligence for Beginners – Hands on Using Microsoft Azure	122
	19/08/2021	Mr.Prashanth.R, Software Engineer, Serendio Inc, Bangalore.	Guest Lecture on “Building Compute Intelligence using Machine Learning”	122
	25/08/2021	Mrs.Kayalvizhi.M, Assistant Professor, Department of Computer science, VLB Janakiammal college of Arts and Science, Coimbatore.	Guest Lecture on “Real Time Application using Vanet”	122
	10/02/2022	Dr.V.Kumutha, Assistant Professor, Department of Computer science, Avinashilingam Institute for Home science and higher education for women, Coimbatore.	Guest Lecture on “Python Essentials in Today’s world”	80

	10/02/2022	Mr.S.Subash Selvasundaram, COO, Grandiose Academy private limited, Coimbatore.	Guest Lecture on “Future scope for wireless sensor network”	95
Computer Sciences	10/02/2022	Dr.P.Lalitha, Professor, Hindusthan college of Atrs an Science, Coimbatore.	Guest Lecture on “The Better connected world in IoT”	102
	11/02/2022	Dr.S.B.Mahalakshmi, Assistant Professor, Department of AI and ML, Coimbatore Institute of Technology, Coimbatore.	Guest Lecture on “Recent trends in Artificial Intelligence”	132
	11/02/2022	Mr.E.Vijayakumar, Associate Professor & Head, Department of Computer Applications, Kalaingar Karunanidhi institute of Technology, Coimbatore.	Guest Lecture on “Cloud Computing”	105
	11/02/2022	Mr.Senthil Kumar Rajappan, Founder / Chief Stratergist, Halycon Digital, Coimbatore.	Guest Lecture on “Innovative Digital Ideas”	132
Geography	12.07.21	Prof. Scuharita Sen Centre for the study of Regional Development, School of Social Sciences, Jawaharlal Nehru University, Delhi.	Lecture Workshop on Revisiting sustainable development: concept, measurement and outcomes (Under DBT Scheme)	57
	26.07.21	Dr. Madhu Narayanan, Research Assistant (Anthropology), KIRTADS, Kozhikode, Research Scholar, DoHSS, IIT, Chennai.	Lecture Workshop on Introduction to Anthropology of Crafts (Under DBT Scheme)	59

	17.08.21	Dr. Yuvaraj D. Assistant Professor & Head, Dept. of Education, Govt. College Education, Komarapalayam, Namakkal Dist.	Guest Lecture Prospects & Professional Openings for Geographers	79
	20.09.21	Nagarathinam Anand , Former Assistant Professor, Jigjiga University, Ethiopia.	Lecture Workshop on Introduction to Surveying	55 (I,IIUG)
	21.09.21	Dr. Sanjeev Prasad S Assistant Professor, Department of Geograhya, University of Madras, Chennai.	Lecture Workshop on Recent trends in Surveying	58 (I,IIUG)
	28.02.2022	Mrs. Saraswathi Lakshminarasiman, Former Teaching Assistant, University of Cincinnati, Ohio, USA	Invited Lecture on All About the Where! Geography – Scope and its Global Opportunities	60 ((I, II & III UG Geography)
	04.03.2022	Dr. Arul P, Associate Professor, Department of Geography, Govt Arts College (A), Salem.	Invited Lecture on Challenges in Competitive Examinations and Opportunities for Geography Students	72 (I, II & III UG Geography)
	07.03.2022	Ms.Jaishri Jayawanth Manager II, Engineering Team Leader, Caterpillar Inc. Bangalore.	Invited Lecture on Introduction to Intellectual Property and Patents (IPR)	64 ((I, II & III UG Geography)

S) CELEBRATION OF IMPORTANT DAYS ORGANIZED

Department	Date	Topic	Resource Person (designation with complete official address)	No. of Students
Mathematics	21.12.2021	Ramanujan's Day Celebrations	Dr.Sr.M.Helen, Principal, Nirmala College for Women, Coimbatore.	110
Computer Sciences	27.7.2021	Dr.A.P.J Abdul kalam Day	Conducted Online Quiz All staff members of the Department	139

			Nirmala college for women , Coimbatore	
Geography	28.02.2022	Commemoration of National Science Day (under the <i>Bhoomika Club</i>)	Mrs. Saraswathi Lakshminarasiman, Former Teaching Assistant, University of Cincinnati, Ohio, USA	85

T) INTERCOLLEGIATE/INTERDEPARTMENTAL COMPETITIONS ORGANISED BY THE DEPARTMENT

Department	Date	Name of the Program	Number of Participants	Number of Colleges Participated
Mathematics	15.12.2021	Paper Presentation –Inter Collegiate Competitions	16	7 Colleges
	10.12.2021	Inter Departmental –Quiz	74	-
	15.12.2021	Rangoli (Mathematical Shapes)	18	
Computer Sciences	12/02/2022	Competition “An Intercollegiate coding Quest”	33	3 colleges
Geography	-	-	-	-

U) LIST OF PROJECTS UNDERTAKEN BY STUDENTS, INDUSTRIAL VISITS BY STUDENTS, SUMMER TRAINING IN LAST ONE YEAR:

Department	List of Projects (Topics)	No/. of Students (under the Project)
III year Mathematics	Time series analysis using data analytics	5
	Wine preference prediction using data analytics	5
	Credit card fraud detections using data analytics	5
	Sentiment analysis project using data analytics	5
	Use cases in e-commerce in data analytics	5
	Movie recommendation system using data analytics	5
	Future in data analytics	5
	Customer segmentation using data analytics	5

II year Mathematics	Mathematical modelling in probability	2
	Optimal selection of the dental implant diameter and length in the posterior mandible with poor bone quality - a 3d finite element analysis	2
	Mathematical modelling in statistics	2
	Numerical analysis	2
	Integral equations	2
	Finite element analysis and modelling of structure in bolted joints	2
	Testing mathematical models	2
	Solving equations analytically and numerically	2
	Non linear dynamics and chaos in systems with discontinuous support	2
	Models and decision making in agriculture	2
	An airfoil optimization for wind turbines	2
	Linear optimization	2
	Solar panels with simulink modelling	2
	Applied linear algebra	2
	Inverse kinematics	2
	Trigonometry	2
Power coefficient analysis	2	
Computer Sciences	PROJECTS USING VB.NET	
	Library management system	2
	PROJECTS USING PHP	
	Online ShareTrading	2
	Hostel management system	2
	E-time office	2
	Exam hall seating arrangement	2
	Flood emergency management system Website designing	2
	Call Service Management System	2
	Elegant Learning and Department Management System	3
	Green Tech Agro	2
	Student Information Management System	2
	PROJECTS USING ANDRIOD	
	E-Healthcare System	2
	Bus Location Tracking System	2
	PROJECTS USING PYTHON	
	Medical Chatbot	2
	Enquiry chatbot	2
	Data Visualization and Analyzation of COVID 19	2

	PROJECTS USING JAVASCRIPT	
	Attendance Management System	2
	Job Web Applications	2
	PROJECTS USING JAVA	
	Entrance Test	2
	Teachers Feedback Management System	2
	An effective recluster based subset selection using MST and heuristic algorithm	2
	Quiz Box	2
	PROJECTS USING WORDPRESS	
	Prevention of Soil Erosion	2
	PROJECTS USING JSP	
	Website based Hospital Appointment System Using Data Mining Technique	2
	PROJECTS USING J2EE	
	Teachers Automatic Time table software generation system	2
	PROJECTS USING PHP	
	Real Estate management system	2
	Online book store management system	2
	Consumer Grievance	2
	Secure E - Banking	2
	Drupal Card	2
	Online admission system	2
	Digital bus pass using QR - Code	2
	PROJECTS USING VB.NET	
	E - Bus Pass Management system	2
	Online library management	2
	Leave Management System	2
	PROJECTS USING JAVA (ANDROID STUDIO)	
	NIR - CORTAL Course Selection App	2
	Ecommerce application	2
	Online Voting System	2
	PROJECTS USING IOT	
	Automation vehicle fire detection and prediction system using iot	3
	Smart technology for accident detection and monitor system	2

Computer Sciences	Traffic management for safe pedestrian walk and emergency vehicle prediction system using smart technology”	2
	Ultra protection for future generation women safety	2
	PROJECTS USING ASP.NET	
	Online Pet Products Management System	2
	PROJECTS USING PYTHON	
	Instagram automation using python and selenium	2
	PROJECTS USING WORDPRESS	
	College Administration System	3
	PROJECTS USING PHP , MY SQL	
	Online examination system	2
	Online event management system	2
	Activity club	2
	Academic project work reporting system	2
	Online buspass management system	2
	Natural disaster management	2
	PROJECTS USING JAVA SCRIPT , CSS , HTML	
	Virtual outlet site for greenery to sow & grow	2
	Blocking fake accounts in online social networks	2
	Computerized collocate data and particulars of the department	2
	Design and implementation of an internet based hostel accommodation system	2
	PROJECTS USING PHP , HTML , CSS	
	College ballot system	2
	Virtual herbal based beautigenics shopping portal	2
	PROJECTS USING XML	
	College campus network	2
	PROJECTS USING PHP	
	An efficient and secure data sharing in cloud computing	2
	Sports portal system	2
	PROJECTS USING XML , JAVA	
	Implementation of blood bank management system using android application	2
Computer Sciences	PROJECTS USING IOT , ARDUINO	
	Energy conservation using passive infrared sensor	3
	Remote control spy camera car	2
	Touchless sanitizer dispenser	2
	Smart drip irrigation system	2

Geography	A preliminary study of Drone Survey of Nirmala college for Women Campus, Coimbatore	7
	Modern Techniques in Surveying Total Station Survey	7
	A preliminary study on the District of Coimbatore through Map Interpretation using Arc GIS	6
	A Preliminary study of Nilgiri District Toposheet	6
	Survey of Nirmala College Women Campus Using DGPS	7

V) MENTOR MEETING

Department	Date	Name	Designation
Mathematics	24.03.2022	Dr.Kala	Professor of Mathematics, Manonmaniam Sundaranar University Tirunelveli
Computer Sciences	-	-	-
Geography	11.03.2022	Dr.V.Tamilarasan	Professor & Head, Department of Geography, Government Arts College, Karur.

W) AWARDS AND ACHIEVEMENTS

i) Awards - Faculty

Department	Date	Name of the faculty	Name of the Award	Organizing Committee
Mathematics	05.09.2021	Dr. A. Sahaya Sudha	Dr. Sarvapalli Radhakrishnan, Best Faculty Award 2021 in Operations Research	Centre for Professional Advancement, Vijayawada, on Account of Teachers Day
	05.09.2021	Dr. K. Mohana	Best Young Faculty Award 2021,	NOVAL RESEARCH ACADEMY Puducherry, India
	05.10.2021	Dr. U.Mary	“LIFETIME ACHIEVEMENT AWARD 2021 - 2022”	, Novel Research Academy, Puducherry, India.
	06.11.2021	Dr. U.Mary	I2 OR LIFETIME	International Institute of

			ACHIEVEMENT AWARD 2021,	organized Research (I2OR)
	19.12.2021	Dr. A. Stanis Arul Mary	Teaching and Research Excellence National Award 2021.	IRDP Group of Journals, Chennai, India
Computer Sciences	20.07.2021	Dr. S. Beula Princy	Best Teacher Award , 2021	Accent Techno Soft PVT Ltd., Coimbatore
Geography	-	-	-	-

ii) Achievements Faculty

Department	Date	Name of the Staff/Student	Nature of the Achievement	Level
Mathematics	-	-	-	-
Computer Science	-	-	-	-
Geography	19.02.2022	Sr. Helan Jenifer	Cleared UGC-NET	National Level

iii) FELLOWSHIP

Department	Year of Award	Name of Faculty	Designation	Level	Name of the Fellowship, received from Government or Recognized Bodies
Mathematics	2021	Dr.M.Trinita Pricilla	Assistant Professor Of Mathematics	National	INSA Visiting Scientist Program2021(FY2021-2022)
Computer Sciences	-	-	-	-	-
Geography	-	-	-	-	-

iv) FACULTY AWARDED Ph. D

Department	Name of the Staff	Date of Registration	Date of Viva-Voce	Title	Name of the Supervisor
Mathematics	-	-	-	-	-
Computer Sciences	-	-	-	-	-
Geography	Dr. A. Franchina Mary	01.07.2015	21.05.2021	Watershed Management of Bhavani River Basin Using Remote Sensing and GIS	Dr. D. Yuvaraj, Assistant Professor & Head, Department of Education, Komarapalayam, Namakkal.

X) ACHIEVEMENTS OF STUDENTS

Department	Date	Name & Class	Event	Participation/ Prize/ Award/ Scholarship	Details of the Organizing Committee
Mathematics		Ishwarya II M.Sc	FOSSEE Semester Long Internship - Remote mode	Participation	IIT Mumbai
	11.06.2021 to 05.07.2021	Jothikumari- II B.Sc	MTTS 2021	Participation	Mathematics Training and Talent Search programme
	30.01.2021 - 31.01.2021	Radha	2nd International Conference "Science and Technology"	Best paper award for the paper	Global Conference Hub

Mathematics	June 2021	Mary Margaret (Ph.D)	Scholarship	Rs. 35000	UGC Maulana Scholaraship
	June 2021	K. Ludi Jancy Jenifer(Ph.D)	Scholarship	Rs. 35000	UGC National Fellowship for OBC candidates
	June 2021	Vyshna Unni(Ph.D)	Scholarship	Rs. 35000	UGC National Fellowship for OBC candidates
Computer Sciences	2.7.2021 – 16.7.2021	Abitha O III B.Sc.IT	Internship with stipend	Participation	ebasu Solution
	2.7.2021 – 16.7.2021	Sandhiya S III B.Sc.IT	Internship with stipend	Participation	ebasu Solution
	2.7.2021 – 16.7.2021	Tabitha Maria III B.Sc.IT	Internship with stipend	Participation	ebasu Solution
	2.7.2021 – 16.7.2021	Tashitha Maria III B.Sc.IT	Internship with stipend	Participation	ebasu Solution
	2.7.2021 – 16.7.2021	Angeline Yuvancy S II B.Sc.IT	Internship with stipend	Participation	ebasu Solution
	2.7.2021 – 16.7.2021	Shrvaani S II B.Sc.IT	Internship with stipend	Participation	ebasu Solution
	2.7.2021 – 16.7.2021	Sherin Benedict AJB II B.Sc.IT	Internship with stipend	Participation	ebasu Solution
	September 2021	Abitha O III B.Sc.IT	Solveathon	Participation	UNICEF

Computer Sciences	September 2021	Inbamala T III B.Sc.IT	Solveathon	Participation	UNICEF
	September 2021	Tabitha Maria III B.Sc.IT	Solveathon	Participation	UNICEF
	September 2021	Tashitha Maria III B.Sc.IT	Solveathon	Participation	UNICEF
	September 2021	Annie Sanjana S R III B.Sc.IT	Solveathon	Participation	UNICEF
	September 2021	Angeline Yuvancy S II B.Sc.IT	Solveathon	Participation	UNICEF
	September 2021	Shrvaani S II B.Sc.IT	Solveathon	Participation	UNICEF
	September 2021	Sherin Benedict AJB II B.Sc.IT	Solveathon	Participation	UNICEF
Geography	May 2021	Mala K (B.Sc)	Indian Geographical Society State Level Young Geographer Talent Test	Rs. 5000	Indian Geographical Society, Chennai
		Nandhini R (B.Sc)	Indian Geographical Society State Level Young Geographer Talent Test	Rs. 3000	

		Jenita I (B.Sc) Indu A V (B.Sc)	Indian Geographical Society State Level Young Geographer Talent Test	Rs. 2000	
	08.03.2022	Ms. Adrina Niceline Ms. Rameeza Beevi Ms. Jwana World Ms. Rajashree	Women can Ideathon- 2022	Participation	AIC RAISE Atal Innovation Mission (AIM) of NITI Ayog at Rathinam College, CBe

Y) RESEARCH PROJECT MAJOR/ MINOR PROJECTS RECEIVED

Department	Date	Name of the faculty	Topic	Funding Agency	Amount (Rs.)	Sanctioned/ Ongoing/ Completed
Mathematics	13.03.2022	Dr.Sr.Stanis Arul Mary	Impact of Online education During COVID pandemic	TNSTC	7500	Sanctioned
Computer Sciences	-	-	-	-	-	-
Geography	27.10.2021	Dr.P.Jyothirmayi & Dr.P.Meenakshi	Resource mapping & Atlas of local Water Features	Nirmala College for Women (Seed Money)	10000	Sanctioned

Z) PAPER PRESENTATION BY THE STUDENTS/FACULTY

Department	Date	Name of the Student	Topic	Category	Organizing Committee
Mathematics	28.07.21- 29.07.21	Karen Felicita C	Opportunities for Science Education in Industry, Research & Academics	National	Vibha & Nirmala College for women, Platform: Online
	28.07.21- 29.07.21	Princy S	Opportunities for Science Education in Industry, Research & Academics	National	Vibha & Nirmala College for women, Platform: Online
	28.07.21- 29.07.21	Esek Gertrud A	Opportunities for Science Education in Industry, Research & Academics	National	Vibha & Nirmala College for women, Platform: Online
	28.07.21- 29.07.21	M.Sowmiya	Opportunities for Science Education in Industry, Research & Academics	National	Vibha & Nirmala College for women, Platform: Online
	28.07.21- 29.07.21	Udhaya Shalini.M	Opportunities for Science Education in Industry, Research & Academics	National	Vibha & Nirmala College for women, Platform: Online
Mathematics	28.07.21- 29.07.21	Jenitha Vinnarasi R	Opportunities for Science Education in Industry, Research & Academics	National	Vibha & Nirmala College for women,

					Platform: Online
Computer Sciences	09.02.2022 & 10.02.2022	Jasmine.R	New frontiers in Research: Challenges and innovation	International	PG and Research Department of library and information science & Research committee, Nirmala college for women.
	09.02.2022 & 10.02.2022	Christa Joyner.N	New frontiers in Research: Challenges and innovation	International	PG and Research Department of library and information science & Research committee, Nirmala college for women.
	09.02.2022 & 10.02.2022	Durgashree.B	New frontiers in Research: Challenges and innovation	International	PG and Research Department of library and information science & Research committee, Nirmala college for women.
	09.02.2022 & 10.02.2022	Amirtha.G	New frontiers in Research: Challenges and innovation	International	PG and Research Department of library and information science &

					Research committee, Nirmala college for women.
Computer Sciences	09.02.2022 & 10.02.2022	Princy.A	New frontiers in Research: Challenges and innovation	International	PG and Research Department of library and information science & Research committee, Nirmala college for women.
	09.02.2022 & 10.02.2022	Divya Dharshini.S	New frontiers in Research: Challenges and innovation	International	PG and Research Department of library and information science & Research committee, Nirmala college for women.
Geography	25.11.2021 to 26.11.2016	Ms. Sreelakshmy M	Analysis of Long-Term Rainfall Extremity and Trend of a Watershed of River Noyyal, Tamil Nadu.	National Conference on “Advanced Techniques in Geographical Studies (NACATEGS – 2021)	Madurai Kamaraj University
	10.12.2022 to 11.12.2022	Dr.P. Meenkshi	A GIS based Assessment of Groundwater Vulnerability Using Generic DRASTIC and	National Webinar on Water resources and economic development	Department of Geography, Bharatidasan University, Trichirapally

			Pesticide DRASTIC lu in Coimbatore District, Tamil Nadu		
--	--	--	---	--	--

10. SELF EVALUATION

Department	Objectives	Percentage achieved	Reasons for under achievement/if achieved, state in quantitative metrics
Mathematics	1. To organize guest lectures in the new avenues of Mathematics including IPR.	90%	Achieved
	2. To organize Workshops and Hands on training in Machine learning, Data Analytics with R Programming, PYTHON,LATEX,MATLAB and Mathematical Modeling	90%	Achieved
	3. To organize Seminar and Symposium in New Trends in Mathematics.	85%	Achieved
	4. To imbibe learning through textbooks and reference books.	85%	Achieved
	5. To coordinate field trips/Institutional tours and educational trips	40%	Due to COVID permission was not granted
	6. To initiate guest lectures in arenas of Health and Hygiene for the betterment of Life.	60%	Achieved
Computer Sciences	To provide training on new technologies like Python, Android etc. for the UG students apart from their curriculum.	80%	Achieved

	To enhance the student skill based on the industry needs	65%	Achieved
	To organize an Seminar on Research Strategies and Technologies	85%	Achieved
	To initiate an virtual lab visit to multimedia technologies	60%	Achieved
Geography	To provide facilities for hands on experience with GIS Softwares and GPS survey	90%	Online training for QGIS only imparted.GPS survey was not allowed due to pandemic restrictions.
	Field trips to areas of geographic interest both physical and socio economic.	60%	Covid 19 restrictions in most of the biosphere national parks and different landforms and geomorphologic systems
	Measures to upgrade the skills of faculty. Retraining of faculty through organization of workshops for the new practical. By attending training programs organized by various Institutions.	90%	Faculty members were able to attend online faculty development programs.
	To revive the importance of Geography by conducting symposia and workshops to schools and neighboring colleges	90%	Conducted international level webinars on different subfields and topics of geography with internationally renowned eminent experts and the deliberations helped us to be popular throughout India and also attracted participants from other countries as well.

Co-ordinator
DBT Star College Scheme

Principal
Nirmala College for Women