

**SREE NARAYANA COLLEGE
SIVAGIRI, VARKALA**

Sreenivasapuram P.O
Varkala, Thiruvananthapuram-695 145
Kerala, India
(Affiliated to the University of Kerala
NAAC Re-accredited with B Grade)
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ANNUAL REPORT

2020-21

Prepared by

**Internal Quality Assurance Cell (IQAC)
Sree Narayana College
Sivagiri, Varkala**



SREE NARAYANA COLLEGE
SIVAGIRI VARKALA

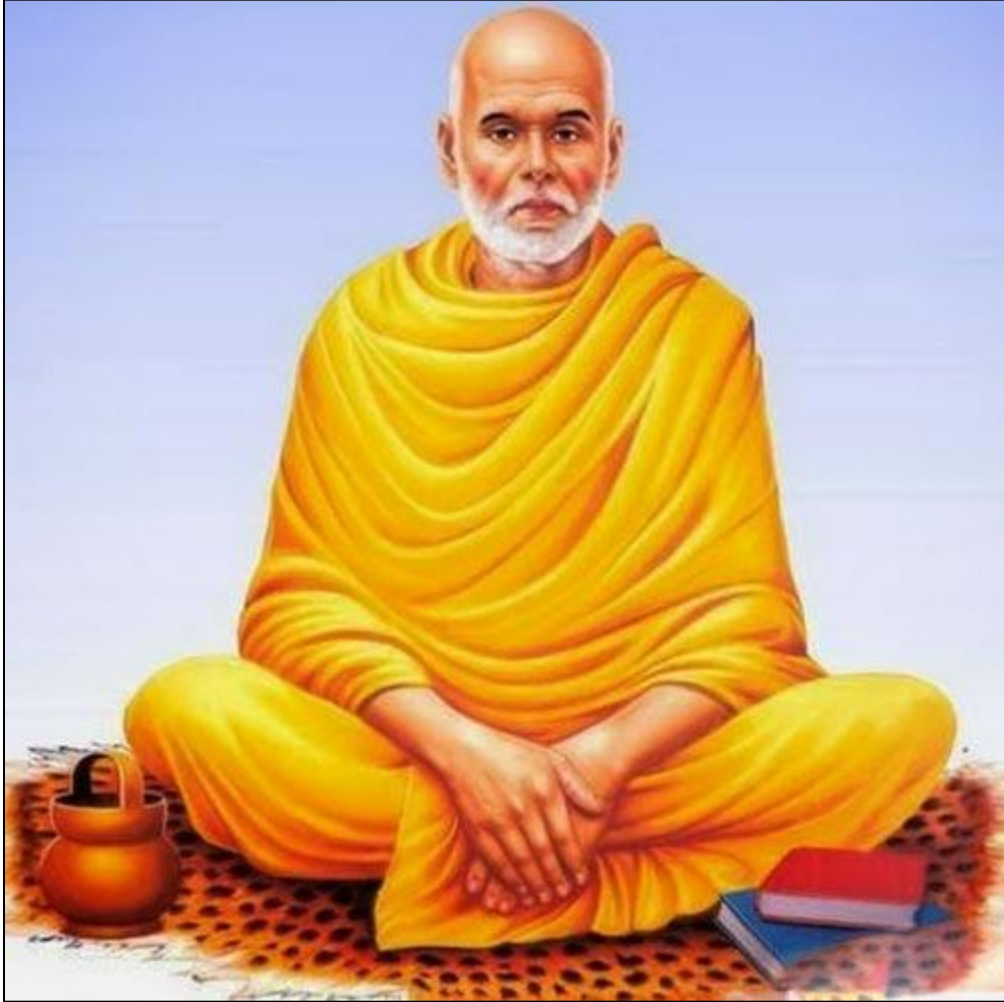
Established in 1964

Completed 56 Years of Excellence in Higher Education

VISION&MISSION

Sree Narayana College Sivagiri, Varkala stands for the realization of its vision “Enlightenthrough Education” as envisaged by Sree Narayana Guru, the guiding light of our college and plays a leading role for the liberation and emancipation of the young generation.

The mission of our college is to impart quality education and equip them to cope with the latest requirements through innovative techniques and practices. We are convinced that proper education is the best resort to uplift the youth in the rural area and we are committed to facilitate meaningful education for our students.



SREE NARAYANA GURU
Our Guiding Spirit
“Enlighten through Education”



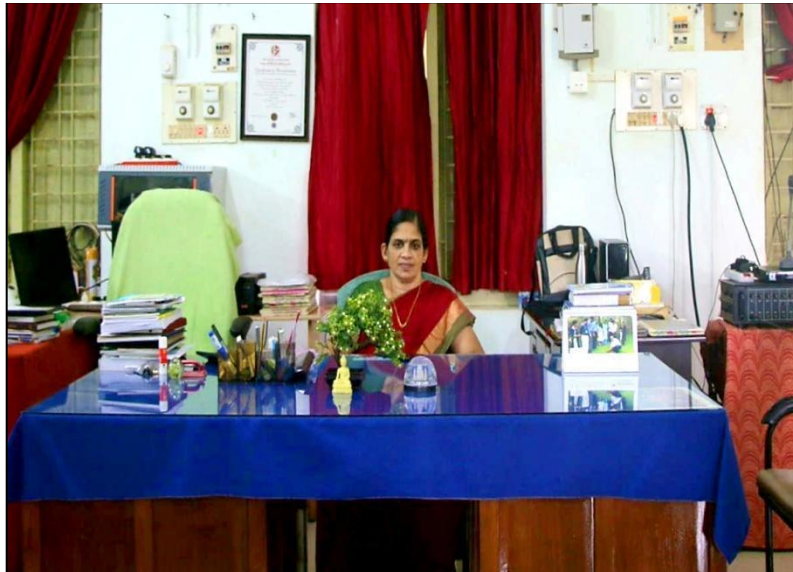
Sri. R. SANKAR
Founder Manager



Sri. VELLAPALLY NATESAN
Manager, SN Colleges



Sri. AJI S.R.M.
(Executive Member, SN Trust)



Dr. Preetha K.C.
Principal
(2019-20)

Foreword

Embodying the message of ‘Liberation through Education’ our college has consistently strived to disseminate knowledge and uplift the socially and economically backward sections of society through quality education. The commitment towards creating a vibrant and intellectually stimulating learning environment has resulted in the tremendous progress witnessed in both academics and extra curriculars since the inception of the college in 1964. The IQAC functions as the solid pillar aiding development and ensuring quality. In recognising the vital need to evaluate and improve the academic and administrative performance of the institution, the IQAC undertook comprehensive measures geared towards the achievement of its goal. Being the coordinator of the IQAC, I sincerely acknowledge the support of our Principal, Dr Preetha K. C. in documenting the annual report of the academic year 2020-21. Amidst the myriad challenges posed by the pandemic situation the steadfast support of the teaching and supporting fraternity of the college deserves special mention. I am also immensely grateful to the Management, students and alumni for their valuable contributions and suggestions. Every success that the IQAC achieved has been a group effort and at this moment I extend my heartfelt gratitude to everyone who has contributed to achieving our shared dream of a premier educational institution.

Dr. Soju S
Co-ordinator
Internal Quality Assurance Cell

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Principal's Message

Since its inception in 1964, Sree Narayana College, Varkala has strived to uphold the profound values and wisdom imparted by the great saint Sree Narayana Guru. In alignment with his egalitarian and liberalist vision the college seeks to empower the underprivileged sections of society through quality education. Our efforts are propelled by the vision of a socially aware and intellectually inclined community of youngsters capable of prompting positive changes in the society. Assuming charge on February 2020 amidst the turbulent pandemic times my efforts were aimed at normalising the academic arena enough to ensure that the quality of education was not compromised.

The possibility of shifting academic activities to the online platform was discussed and an academic calendar created. Despite the novel challenges encountered we were able to host a series of webinars on relevant topics. Club activities were also shifted to the online mode and concerted efforts taken towards ensuring student involvement and participation. It is with great pride that I look back on the achievements of our students and the challenges that we overcame as a unit during the academic year 2020-21. The worries were eclipsed by the immense satisfaction of seeing the students, teachers and parents work together to ensure that the education process was effectively sustained.

The IQAC deserves appreciation for taking the effort to bring out this annual report. I would also like to commend the management, teachers and supporting staff for their admirable commitment in the face of unprecedented adversity. I hope we are able to transform every challenge into a learning opportunity and together work towards taking our college to new heights.

Principal

An Overview of the Academic Year 2020-21

Although it was complete lockdown in the country due to the spread of Covid 19, all the classes resumed in online mode and a series of programmes (webinars) were also organized by all the departments of the College as part of the academic year 2020-21 for enhancing the curricular and co-curricular skills of our students. We were graced by the presence of eminent personalities who attended various functions organized by different departments and had interactions with our faculty and students.

Internal Quality Assurance Cell (IQAC)

The Internal Quality Assurance Cell constituted under the chairmanship of the Principal, aims at streamlining and improving various systems and procedures of the institution. This committee was formed based on the recommendations of NAAC for monitoring the quality parameters in the college. The members of our college IQAC are

Dr.K.C.Preetha (Principal) -**Chairman**

Dr.Soju S (Dept.of Commerce)-**Co-ordinator**

Members

Sri. Aji S.R.M. - Management Representative

Dr.Jolly A (Dept. of Chemistry)

Dr. Hima R (Dept. Of Botany)

Dr.Biju C. (Dept. of Botany)

Sri.Sajesh Sasidharan (Dept. of Physics)

Smt. Sreeranjini S C (Dept. of Economics)

Dr.Aranya S (Dept. of Physics)

Sri.Sanal Kumar T (Dept. of Malayalam)

Smt. Preetha Krishna L- Dept. of English

Smt.Bindu Haridas-Municipal Chairperson, Varkala Municipality

Dr.Jayaraj-Former Director, ANERT

Sri. Anil Kumar -Office Superintendent

- The IQAC takes measures to improve the quality of teaching, learning and research activities by collecting and analysing various feedbacks.
- The IQAC collects, documents and reports various activities of the college for various higher education requirements
- A continuous follow up is made to ensure adequate, appropriate and better facilities for teaching and learning
- Takes initiatives towards faculty development and student development programmes
- Optimum utilization of all resources particularly finance, infrastructure and human resource is focused upon, to improve the standard and performance of academic and administrative activities of the institution
- Ensures co-ordination among the various activities of the college

Through all its measures, the IQAC ensures quality and continuous improvement in all aspects of the college.

The activities of the college IQAC during the academic year 2020-21 are

- Circulated instructions regarding mode of conduct to teachers, students and supporting staff
- Implimentation of effective remedial classes
- Monitored the conduct of various seminars, symposiums and workshops
- Feedback Forms were prepared and circulated among final year students
- Collected Parent Feeddback Forms during PTA meetings
- Created a new framework for teachers' assessment by students
- Conducted Student Satisfaction Survey
- Consolidation of Annual Reports of departments

Parent-Teacher Association

The Parent-Teacher Association of our college functions with the following objectives

- To offer suggestions for the smooth function of college
- To work for the welfare of students and institution
- To participate in the developmental activities of the college
- To provide facilities in the college campus for the benefits of students
- To establish a forum through which parents and teachers can exchange views in relation to the education and welfare of students
- To promote achievement of students in curricular and extra curricular activities by instituting awards and scholarships

The PTA General Body meets once a year while the Executive meets often, as and when the need arises. PTA meetings are held regularly in all semesters by all depts. The PTA meetings play an important role in sharing ideas focused towards helping our students develop academic and moral strength. The PTA collects a nominal amount as fund from each student at the time of admission. This fund is utilized for providing facilities beneficial for the students and in developing the infrastructure of campus.

The PTA Executive for the year 2020-21:

President: Dr.K.C.Preetha

Vice President: Sri Sivakumar S.

Secretary: Smt. Sini V

Teacher Representatives Dr. Vinod C. Sugathan, Dept. of Economics

Dr. Leji J., Dept. of Zoology

Dr. Babitha G.S., Dept. of Zoology

Parent Representatives

Sri. Sivakumar G

Sri. Somasekharan

Smt. Jayarani

The PTA fund has been utilized for the following purpose during this academic year

1. Appointment of Guest Lecturers in various departments for the smooth conduct of classes
2. Purchase of office stationery, printing teachers' diary, attendance register, question papers and answer sheets for internal examinations
3. Financed a new website for the college
4. Repairing of computers and refilling of cartridge
5. Payment of electricity and telephone bills of the college
6. Conduct of various seminars and exhibitions in the college

Curricular Aspects

Sree Narayana College Sivagiri Varkala has over 1500 students pursuing 11 UG courses and 4 PG courses and 1 Ph.D course. All UG Courses follow the Choice based Credit and Semester System with 6 semesters each. The 4 PG courses are of two year duration with 4 semesters each. The online admissions of students are purely on merit basis and in accordance with the guidelines of Government and University of Kerala.

An induction programme "Know Your College" is conducted for the students of first year UG course to acquaint with the bye-laws of the college and facilitate their smooth transition from higher secondary to UG Studies. Sessions on course structure, college regulations, extra-curricular activities, club activities and community service initiatives made the programme an ideal introductory session for the freshers.

The First Degree Programme (FDP) is monitored by the College Level Monitoring Committee (CLMC). The committee consists of the Principal as the Chairman, the Heads of Department and a teacher representative of each Department Level Monitoring Committee as the members. Dr. Hima R. is the convener of CLMC. The activities of CBCSS-CLMC during 2020-21 include

- Prepared a semester-wise academic calendar in consultation with Academic Monitoring Committee and Internal Quality Assurance Cell.
- Constituted a Department Level Monitoring Committee with the Head of the Department and teachers in charge of each class under FDP.
- Any change in the academic calendar of CBCSS was intimated to concerned teachers in time.
- Made arrangements for conducting all internal examinations as per schedule.
- Ensured the display of internal marks on time to avoid any complaints
- Complaints regarding the internal marks were settled through DLMC and students Grievance Cell.
- The consolidated grade sheets were forwarded online to the university on time.
- During fifth and sixth semester, CLMC took necessary steps to implement 'Open Course' for each programme
- Compulsory club/ extension activity of third or fourth semester was evaluated and internal marks forwarded to university on time.

Academic Programmes Offered

Sl.No.	Academic Programmes			Duration in Years	Year of starting	Sanctioned annual intake	Total student strength
	Title		Subject				
1	BA	i	Economics	3	1967	100	142
2		ii	History	3	1998	30	51
3		iii	Malayalam	3	1967	40	63
4	B.Sc	i	Mathematics	3	1967	40	53
5		ii	Geology	3	1981	32	35

6		iii	Botany	3	1967	32	43
7		iv	Zoology	3	1967	32	43
8		v	Chemistry	3	1967	32	42
9		vi	Physics	3	1967	32	44
10	B.Com	i	Finance	3	1980	60	74
		ii	Commerce with Hotel Management	3	1999	36	47
11	MA	i	Economics	2	1981	16	17
12	M.Sc	i	Geology	2	2013	16	12
13		ii	Analytical Chemistry	2	2001	15	15
14		iii	Physics	2	1995	10	15
15	Ph.D	i	Economics	-	2006	-	10

Classification of Students

Course	General	SC	ST	OBC	Total
BAHistory	35	28	0	87	150
B.Sc. Botany	42	29	0	51	122
B.Sc. Mathemtics	41	27	0	87	155
B.Sc. Physics	35	25	0	72	132
B.Sc. Zoology	27	29	0	70	120

BA Economics	82	72	0	242	396
B.ComHotel Management	26	22	0	90	138
BA Malayalam	39	41	0	112	192
B.Sc. Chemistry	37	25	0	65	132
B.Sc. Geology	53	17	0	32	102
B.Com Finance	38	51	0	123	212
M.Sc. Geology	15	6	0	5	26
MA Economics	16	2	0	23	41
M.Sc. Chemistry	21	0	0	11	32
M.Sc. Physics	12	0	0	22	34
Total Student Strength					1984

Qualification of Teaching Staff

Qualifications of Permanent Staff										Temporary Staff		
Highest Qualification	Associate Professor			Assistant Professor			Total			M	F	Total
	M	F	Total	M	F	Total	M	F	Total			
Ph.D	1	2	3	7	11	18	8	13	21	2	2	4
M.Phil	-	2	2	2	8	10	2	10	12	0	1	1
MA/M.Sc/M.Com	-	-	-	5	20	25	5	20	25	2	14	16
Total	1	4	5	14	39	53	15	43	58	4	17	21

Result Analysis of B.Sc/BA/B.Com Degree Examinations, April 2021

Title of the Programme	Total No. of Students Appeared	No. of Students Passed	Pass Percentage
BA Economics	132	75	56.82%
B.Sc Mathematics	52	42	80.77%

BA History	48	35	72.92%
B.Sc Geology	34	32	94.12%
B.Sc Botany	41	26	63.41%
B.Sc Zoology	39	32	82.05%
BA Malayalam	54	39	72.22%
B.Com Finance	74	65	87.84%
B.Com HM	47	23	48.94%
B.Sc Chemistry	38	25	65.79%
B.Sc Physics	42	30	71.43%

PG Results

PG Results			
Name of Programme	No. Appeared	No. Passed	PassPercentage
MA Economics	19	12	63.16%
M.Sc Chemistry	14	11	78.57%
M.Sc Physics	15	8	53.33%
M.SC Geology	17	16	94.12%

Faculty as Members in Academic Bodies

Sl.No.	Name of faculty	Position held	University
1	Dr.Babitha G.	Member, Senate	Uty. Of Kerala
2	Smt.Joly A.	Member, PG Board of Studies, Chemistry	Uty. Of Kerala
3	Dr. Vinod C. Sugathan	Member, UG Board of Studies,	Uty. Of Kerala

	Economics	
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Research Journal

The College publishes a bi-annual interdisciplinary research journal named *Research Essence*. The first volume of the journal (July-December 2013) was published in December and was formally released by our Manager Sri.Vellappally Natesan on 30th December 2013. The journal publishes original research articles of teachers, researchers, academicians and students from the faculty of Science, Literature and Humanities. The Journal was assigned International Standard Serial Number (ISSN 2348-2389) on 3rd February 2014.

Chairman & Managing Editor-Dr.Preetha K C (Principal)

Editor in charge-Dr.Lekshmy Prasannan (Dept. of Commerce)

Research Activities

There are 5 faculty members from various departments who are recognized research guides of University of Kerala. The Department of Economics is an approved research centre of the University of Kerala

Details of Research Guides

Sl.No.	Name	Department	University	No.of Research Students	No.of Ph.Ds Produced
1	Dr.Preetha K C	Physics	Kannur	5	-
2	Dr.Vinod C Sugathan	Economics	Kerala	5	-
3	Dr.Jerry Alwin	Economics	Kerala	5	2
4	Dr.Leji J	Zoology	Kerala	-	-
5	Dr.Babitha	Zoology	Kerala	-	-

6	Dr. S.Soju	Commerce	Kerala	-	-
7	Dr.Nithya P.Viswam	Malayalam	Kerala	-	-
8	Dr.Lekshmi Prasannan	Commerce	Kerala	-	-

Ongoing Ph.D programmes under various research guides of the college

Name of Research Guide	Name of Research scholar	Topic of Research
Dr. Preetha K.C.	Sapna P	Synthesis and Characterisation Ternary Semi Conducting Chalcogenide Thin Films for Photo Voltanic Applications
	Maya Mathew	OptoElectronic Applications Oriented Synthesis and Characterisation of Binary Ternary and Quarter Copper and Lead Waste Quantum Dots
	Rakhi C	Studies on Transission Metal Oxides and their Nanocomposites prepared by Chemical Methods
	Illyas CT	Synthesis and Characterisation of Cu based Quaternary Thin Film Materials
	Laneesh P	Opto electronic Applications oriented Synthesis and Characterisation of Ternary and Quaternary Copper based Nano Materials
Dr.Jerry Alwin	Sherli Rani A	Performance of State Plans of Kerala: An analysis of financing and utilization
	Suresh Babu P	Changing Agricultural Practices And Its Economic Effects: A Study Of Paddy Cultivation In Palakkad District
	Jayasree G	On Resource Mobilisation : A Studyof GramPanchayaths in Kerala
	Deepudas N	Local Finance in Kerala: A Study of Urban Local Self Government.
	Sunpriya Balachandran	Moving to Goods and Service Tax in India: An Analysis of the Problems and Prospects of Revenue Mobilisation in the cOntext of Kerala.
Dr.Vinod c Sugathan	Saranya .S	Health outcomes and satisfaction level of alternative medical care in Kerala : An

		evaluation of AYUSH
	Abhin Vyas	Livelihood and informal sector ; A study of street vendors in Kerala
	Rejith R	Financial inclusion and livelihood of marginalized communities In Kerala
	S.Roopak	Responsible tourism in Kerala : A study of social welfare,Economic empowerment and environmental sustainability
	Ratheesh Krishnan R	Women Participation in Responsible Tourism in Kerala : An Analysis
Dr.Leji J	-	-
Dr.Babitha	-	-
Dr. S.Soju	-	-
Dr.Nithya P.Viswam	-	-
Dr.Lekshmi Prasannan	-	-

Ph.D Produced by Faculty Members in the Past Years

Name of Guide	Name of Research Scholar	Year of Award	Topic of Research
Dr.Jerry Alwin	Suchithra Devi S	2018	Household Demand for Edible oils in Kerala: A Study of Determinanrs
Dr.Jerry Alwin	Aswathy R	2019	Consumption Pattern of Kerala: A Study of Determinants

Faculty Members who were awarded Ph.D degree during 2020-21

Sl.No.	Name of Faculty members	Title of Thesis
1.	Raji Raveendran	Resource Mobilisation for Development at Local Level : A Case Study of Property Tax of Grama Panchayats in Kerala

2.	Sreerenjini S C	Economics of Health Care: Potentials of Health Insurance in Kerala
3.	Parvathi S Babu	Synthesis and Photoluminescence Properties of Dysprosium activated Full Colour Emissions Phosphor

Ongoing Minor Research Projects

Sl.No	Principal Coordinator	Subject	Topic	Amount		
				Allocated	Sanctioned	Balance
1	Biji K	History	Introspecting women's role in environmental protection and conservation	100000	60,000	40,000

NAAC Re-Accreditation

The college was re-accredited by NAAC in 2015 with B grade - CGPA 2.65. The college is now awaiting the NAAC peer team visit for the third cycle of re-accreditation. We are updating all the files for the upcoming NAAC peer team visit in 2021.

Library as a Learning Resource

The Library Advisory committee is constituted under the Chairmanship of Principal. The Library Improving Programme Convenor is Dr. Saiju D I (UGC Librarian). The Library Advisory Committee meets periodically to review its status. The automation of the library was completed in 2015. Bar coded IDs are provided to all students to ensure bar coded issue/return. A library awareness class is given to all first year UG students every year.

The students can access inflibnet online. Online Public Access Catalogue (OPAC) is an advanced facility provided by the library which helps students retrieve information regarding availability of books in the library, the status of a particular book in the library and its due date of return. The College General Library consists of 41967 books.

Librarian -Dr. Saiju D.I.(UGC Librarian)

Library Assistant- Sri. Jinu K.S.

Sri. Akash

Sri. Hareesh

Special Days of the College

Sankar's Day celebrations

Sri.R.Sankar, the former Chief Minister of Kerala, who was inspired by Sree Narayana Guru's teaching started several colleges in Kerala to realize Guru's vision ie to awaken the downtrodden masses of Kerala through education. Sree Narayana College Sivagiri Varkala was inaugurated in 1964 by Sri.R.Sankar. As a mark of respect to our Founder Manager, the anniversary of his death is observed as Founders Day in SN Colleges every year on 7th November. Commemorative lectures, essay writing competitions, quiz competitions on Sankar's life and works are conducted as part Founders Day. This year Founder's day celebration was formally inaugurated by Dr.L.Vinayakumar, Former Principal, SN College, Nattika.

Chathayadinam

Chathayadinam marks the birthday of Sree Narayana Guru, the great social reformer of India and our patron saint. Our college resides very close to Sivagiri. The staff and students participate in all celebrations of Sivagiri Mutt. As in the previous years the staff members of our college raised a fund to organize community feast to the poor and needy of the neighborhood on Chathayadinam.

Sivagiri Theerthadanam

Sivagiri Pilgrimage or Sivagiri Theerthadanam takes place annually from 30th December to 1st January. The aim of the pilgrimage is to create comprehensive knowledge among people for their overall development and prosperity. The pilgrimage is a commemoration of Guru's life and vision and for introspection. Pilgrims from all over the state and neighboring states visit Sivagiri during these days. The college plays host to thousands of pilgrims and provides accommodation, parking facilities, food, drinking water and electricity during night hours. Our NCC cadets and other student volunteers help and assist the pilgrims. Students are also benefitted by the series of lectures by eminent personalities which help them to overcome the darkness and to get enlightened to a higher level of spirituality. During this academic year, the series of programmes and other functions were not held due to the lock down in the country because of the spread of Covid 19 pandemic.

Club Activities

It is mandatory for every student in the third and fourth semester of FDP under CBCSS to participate in any one of the Social Service/Extension Activities of the college. It is compulsory for a student to secure a minimum of 40 hours of attendance for these activities failing which he/she may not be considered for graduation. Our college offers the following club for students to choose from and to engage themselves in co-curricular activities. Each club functions under the guidance of a Co-ordinator. This year, programmes and webinars of clubs were conducted in online mode due to pandemic issues.

Clubs' General Co-ordinator-Dr.Sajesh Sasidharan (Assistant Professor, Dept. of Physics)

SI No	Name of teacher	Department	Convener/Programme officer	Member
1	Dr.K.C. Preetha	Principal		
2	Smt. Nayana Konath	English	Language Lab	Admission Committee Debate Club Academic Committee
3	Smt. Preethakrishna L	English	Literary Club	Library Committee Women's hostel Language Lab IQAC
4	Smt. Anisha N	English	Theatre Club	Library Committee Language Lab Music Club
5	Smt. Avani Saseendran	English	Share & Care Mid-day meal Programme	Health Education Club Grievance and Redressal Cell Sree Narayana Studies
6	Smt. Aruna	English	Student ID	Media Club Ethics Committee Bhoomithra Club
7	Sri. Sanalkumar.T	Malayalam	Sree Narayana Studies	Counseling Cell Theatre Club IQAC
8	Dr. Nithya.P.Viswam	Malayalam	Debate Club	Gandhian Study Centre Music Club Grievance and Redressal
9	Dr. Henalal.S	Malayalam	University Examinations	Theatre Club Tutorial System Committe for PWD students
10	Smt. Sini V	Malayalam	PTA	Debate Club Discipline Committee Library Committee Co-operative Society
11	Sri. Sumesh PK	Malayalam	NSS(Programme Officer) FSA Information officer	Discipline Committee Sree Narayana Studies Mid-day meal Programme
12	Dr.Usha.R.B	Malayalam	Women's Study Unit	Counseling Cell Sree Narayana Studies Academic Auditing
13	Dr. Sajith.S.J.Sasi	Hindi	EBSB Computer and internet Centre	Performing Arts Club Committee for PWD students Mid-day meal Programme
14	Dr. Vinod.C. Sugathan	Economics	NAAC	Anti-ragging Cell Legal Awareness Forum PTA
15	Smt.Raji Raveedran	Economics	Human Rights Forum	Entrepreneurship Development Planning board-College Tourism Club
16	Sri. Syam Raj.R	Economics	College Calendar Discipline Committee	Sports Club Computer and internet Centre Canteen Committee Cooperative society
17	Dr. Jerry Alwin	Economics	Research Monitoring Committee INFLIBNET	Human Rights Forum Gandhian Study Centre
18	Smt. Sreeranjini.S.C	Economics	Planning Forum Music Club	IQAC

				Gandhian Study Centre
19	Megha Radhakrishnan	Economics	People's Planning Programme	Committee for PWD students Career guidance Cell Ethics Committee
20	Smt. Anilakumari.R	Economics	Anti-ragging Cell	Planning Forum Discipline Committee Career Guidance Cell
21	Smt. Namitha.K.Bhat	Economics	Ethics Committee	Human Rights Forum Academic Auditing Planning board-College
22	Dr. Deepika	Economics	Tourism Club	Women's Study Unit Endowments and Scholarships Legal awareness forum
23	Dr.Mahima	Economics	Legal awareness Forum	People's Planning Programme Sree Narayana Studies Entrepreneurship Development
24	Ms. Biji.K.K	History	Gandhian Study Centre	Women's Study Unit Student Aid Fund University Help Desk
25	Dr. Nandakumar	History	SWAYAM	People's Planning programme Career guidance Cell Gandhian Study Centre
26	Dr.Simi.S	History	University Help Desk	Gandhian Study Centre Planning Forum Entrepreneurship Development
27	Smt. Neelima.N.L	Mathematics	Endowments and scholarships	Science Club Ethics Committee Mathematics Club
28	Sri. Murugan	Mathematics	Remedial Teaching Office management & coordination	Debate Club Mathematics Club
29	Dr.Sanma	Mathematics	Mathematics Club	Endowments and scholarships Literary Club Academic committee
30	Dr. Aranya.S	Physics	Purchase Committee	Science Club IQAC College research journal
31	Sri. Sajesh Sasidharan	Physics	Club's coordinator Co-operative Society	Science Club IQAC Purchase Committee Office management & coordination
32	Smt. Veenas.C.L	Physics	NSS(Programme Officer) & Blood Donor's Club	Women's hostel Tourism Club Substance abuse Prevention forum
33	Sri. Jyothish.B	Physics	SSP Website	Sports Club Admission Committee
34	Smt. Parvathi.S.Babu	Physics	Science Club EDUSAT	Discipline Committee Placement Cell
35	Smt. Aiswarya Mol.N.S	Physics	Committee for PWD students	Media Club AISHE Energy Conservation & Environmental club
36	Dr. Raji.R	Physics	Substance abuse Prevention forum	Literary Club Research Monitoring Committee Energy Conservation & Environmental club
37	Dr. Joly.A	Chemistry		IQAC
38	Smt. Resmi Jaya Raveendran	Chemistry	WWS Tutorial System(1)	Performing Arts Club Canteen Committee

39	Smt. Lija.P.Lekshmanan	Chemistry	Career guidance Cell	Science Club Purchase Committee Counseling Cell
40	Smt. Ashalatha	Chemistry	Academic Auditing	Media Club Bhoomithra club Research Monitoring Committee
41	Smt. Shibitha Thampi	Chemistry	Performing Arts Club Tutorial System(2)	Placement Cell Student aid Fund
42	Smt. Induja.P	Chemistry	Grievance and Redressal Cell	Women's Study Unit Career guidance Cell Energy Conservation & Environmental club
43	Smt. Saritha.S.J	Chemistry	Student Aid Fund	Media Club Planning Board-College Grievance and Redressal Cell
44	Smt. Lekshmi.S.Dharan	Chemistry	Women's hostel	Library Committee Literary Club Energy Conservation & Environmental club
45	Smt.Reshma R	Chemistry	Media Club	Substance abuse Prevention forum Admission Committee Women's hostel
46	Dr. Ambily chandran	Chemistry	AISHE	Women's Study Unit IQAC Placement Cell
47	Dr. Hima.R	Botany	CLMC	Nature Club Student ID IQAC Planning Board-college
48	Dr. Smitha.P.D	Botany	Energy Conservation & Environmental club	Health Education Club Tutorial System Library Committee
49	Dr. Biju.C	Botany	College Research Journal Forestry Club	Nature Club IQAC Purchase Committee Website
50	Dr. Leji.J	Zoology	Academic Committee DBT-Star College	Nature Club Research Monitoring Committee PTA
51	Dr. Babitha.G.S	Zoology	RUSA	IQAC Sports Club Research Monitoring Committee Discipline Committee PTA
52	Smt. Preethi.S	Zoology	Health Education Club	Academic Auditing Substance abuse Prevention forum Student aid fund
53	Dr. Binushma Raju	Zoology	Nature Club	Bhoomithra club Academic Committee Tutorial System
54	Dr. Sreela.S.R	Geology	Bhoomithra club	Performing Arts Club Academic Committee Placement Cell
55	Dr. Shrynu	Geology	Counseling Cell	Health Education Club Admission Committee Ethics Committee
56	Dr. Soju.S	Commerce	IQAC Planning Board-College REDC- Student development	Peoples Planning Programme Research Monitoring Committee Co-operative Society

			officer(Entrepreneurship) Investment Awareness Club	
57	Smt. Jubilie.S.V	Commerce	Admission Committee ASAP REDC-Student developmentofficer(Personality)	Tourism Club Theatre Club
58	Smt. Lekshmi. J	Commerce	Entrepreneurship Development Financial literacy club	Peoples Planning Programme Academic Auditing
59	Dr. Lekshmi Prasannan	Commerce	Placement Cell REDC-Student development officer(Placement & Internal ship)	Human Rights Forum Entrepreneurship Development
60	Lt. Dr. Sidhukumar.N	Commerce	NCC (ANO) Swatch Bharath Mission REDC- Student development officer(Rural engagement)	Discipline Committee Blood Donor's Club
61	Dr. Rinku Babu	Commerce	University Examinations REDC- Student development officer(Technology)	Planning Forum Discipline Committee
62	Sri. Praveen R	Physical Education	Sports Club Canteen Committee	Admission Committee Discipline Committee
63	Dr.Saiju.V	Library	Library Committee	Discipline Committee Anti-ragging cell

MANDATORY CLUB: CO-ORDINATORS LIST 2020-2021

Club's coordinator		Sri. Sajesh Sasidharan		Physics
Sl No	Name of Club	Name of Convener & members		Department
1	Debate Club	i	Dr. Nithya P Viswam	Malayalam
		ii	Smt. Nayana Konath	English
		iii	Smt. Sini.V	Malayalam
		iv	Sri. Murugan	Mathematics
2	Human Rights Forum	i	Smt. Raji Raveendran	Economics
		ii	Dr. Lekshmi Prasannan	Commerce
		iii	Dr. Jerry Alwin	Economics
		iv	Smt. Namitha K Bhat	Economics
3	Performing Arts Club	i	Smt. Shibitha Thampi	Chemistry
		ii	Dr. Sajith.S.J.Sasi	Hindi
		iii	Dr. Sreela S R	Geology
		iv	Smt. Resmi Jaya Raveedran	Chemistry
4	Media Club	i	Smt.Reshma R	Chemistry
		ii	Smt. Saritha S J	Chemistry
		iii	Smt. Aiswarya Mol N S	Physics
		iv	Smt. Ashalatha	Chemistry
		v	Smt. Aruna	English
5	NSS	i	Sri. Sumesh P K	Malayalam
		i	Smt. Veenas.C.L	Physics
6	NCC	i	Lt. Dr. Sidhukumar N	Commerce

7	Sports Club	i	Sri. Praveen R	Phy. Edn
		ii	Dr. Babitha G S	Zoology
		iii	Sri. Syamraj R	Economics
		iv	Sri. Jyothish B	Physics
8	Science Club	i	Smt. Parvathi S Babu	Physics
		ii	Dr. Aranya S	Physics
		iii	Smt. Lija P Lekshmanan	Chemistry
		iv	Sri. Sajesh Sasidharan	Physics
		v	Smt. Neelima.N.L	Mathematics
9	Nature Club	i	Dr. Binushma Raju	Zoology
		ii	Dr. Leji J	Zoology
		iii	Dr.Hima R	Botany
		iv	Dr. Biju C	Botany
10	Theatre Club	i	Smt. Anisha N	English
		ii	Dr. Henalal S	Malayalam
		iii	Sri. Sanal Kumar	Malayalam
		iv	Smt. Jubilie.S.V	Commerce
11	Planning Forum	i	Smt. Sreerenjini S C	Economics
		iii	Smt. Mahima	Economics
		iii	Dr. Rinku babu	Commerce
		iv	Dr. Simi	History
12	Literary Club	i	Smt. Preethakrishna.L	English
		ii	Smt. Lekshmi.S.Dharan	Chemistry
		iii	Dr. Raji.R	Physics
		iv	Dr. Sanma	Mathematics
13	Women's Study Unit	i	Dr. Usha.R.B	Malayalam
		ii	Ms. Biji K K	History

		iii	Dr. Ambili Chandran	Chemistry
		iv	Smt. Induja.P	Chemistry
		v	Smt. Deepika	Economics
14	Health Education Club	i	Smt. Preethi. S	Zoology
		ii	Dr. Smitha.P.D	Botany
		iii	Smt. Avani Saseedran	English
		iv	Dr. Shrynu	Geology
15	People's Planning Programme	i	Smt. Megha Radhakrishnan	Economics
		ii	Smt. Lekshmi J	Commerce
		iii	Dr. Soju S	Commerce
		iv	Dr. Nandakumar	History
16.	Anti-ragging Cell	i	Smt. Anila Kumari R	Economics
		ii	Dr. Vinod.C.Sugathan	Economics
		iii	Dr.Saiju.V	Library

ACADEMIC AND CAMPUS MONITORING COMMITTEES LIST 2020-2021

SI No	Name of Committee	Name of coordinators and Members		Department
1.	Internal Quality Assurance Cell (IQAC)	i	Dr.Soju.S	Commerce
		ii	Dr. Joly.A	Chemistry
		iii	Sri. Sanalkumar.T	Malayalam
		iv	Dr. Hima.R	Botany
		v	Dr. Babitha G.S	Zoology
		vi	Smt. Sreerenjini.S.C	Economics
		vii	Dr.Aranya.S	Physics
		viii	Sri. Sajesh Sasidharan	Physics
		ix	Smt. Preethakrishna.L	English
		x	Dr. Ambili Chandran	Chemistry

		xi	Dr. Biju.C	Botany
2.	NAAC Re-accreditation Committee	i	Dr. Vinod C Sugathan	Economics
3.	College Level Monitoring Committee(CLMC)	i	Dr. Hima.R	Botany
4.	Research Monitoring Committee	i	Dr. Jerry Alwin	Economics
		ii	Dr. Babitha G.S	Zoology
		iii	Dr. Soju.S	Commerce
		iv	Dr. Leji.J	Zoology
		v	Smt. Ashalatha.A	Chemistry
		vi	Dr. Raji.R	Physics
5.	Discipline Committee	i	Sri. Syam Raj	Economics
		ii	Dr. Babitha GS	Zoology
		iii	Smt. Parvathi.S.Babu	Physics
		iv	Lt.Dr. Sidhukumar.N	Commerce
		v	Smt. Sini.V	Malayalam
		vi	Sri. Sumesh.P.K	Malayalam
		vii	Dr.Saiju.V	Library
		viii	Dr. Rinku babu	Commerce
		ix	Smt. Anilakumari	Economics
		x	All HODs	
6.	Ethics Committee	i	Smt. Namitha K Bhat	Economics
		ii	Smt. Neelima NL	Mathematics
		iii	Dr. Shrynu	Geology
		iv	Smt. Aruna	English
		v	Smt. Megha Radhakrishnan	Economics
		7.	Entrepreneurship Development	i
ii	Dr. Lekshmi Prasannan			Commerce
iii	Smt. Raji Raveendran			Economics
iv	Smt. Mahima			Economics
v	Dr. Simi			History

8.	Academic Committee	i	Dr. Leji. J	Zoology
		ii	Dr. Sreela.S.R	Geology
		iii	Smt. Nayana Konath	English
		iv	Dr. Binushma Raju	Zoology
		v	Dr. Sanma	Mathematics
9.	Admission Committee	i	Smt. Jubilie. S.V	Commerce
		ii	Smt. Nayana Konath	English
		iii	Sri. Praveen R	Phy.Edn
		iv	Dr. Shrynu	Geology
		v	Sri. Jyothish.B	Physics
		vi	Smt. Reshma.R	Chemistry
10.	All India Survey of Higher Education(AISHE)	i	Dr. Ambili Chandran	Chemistry
		ii	Smt. Aiswaryamol.N.S	Physics
11.	Additional Skill Acquisition Programme(ASAP)	i	Smt. Jubilie SV	Commerce
12.	Purchase Committee	i	Dr.Aranya.S	Physics
		ii	Sri. Sajesh Sasidharan	Physics
		iii	Smt. Lija.P.Lekshmanan	Chemistry
		iv	Dr. Biju.C	Botany
13.	Planning Board-College	i	Dr. Soju.S	Commerce
		ii	Dr. Hima.R	Botany
		iii	Smt. Saritha.S.J	Chemistry
		iv	Smt. Raji Raveendran	Economics
		v	Smt. Namitha.K.Bhat	Economics
14.	RUSA	i	Dr. Babitha.G.S	Zoology
15.	SWAYAM	i	Dr. Nandakumar	History
16.	Substance abuse Prevention forum	i	Dr. Raji.R	Physics
		ii	Smt. Veenas.C.L	Physics
		iii	Smt. Reshma.R	Chemistry
		iv	Smt. Preethi.S	Zoology

NATIONAL SERVICE SCHEME SNC VARKALA 2019-20

UNIT NO-16(AB)

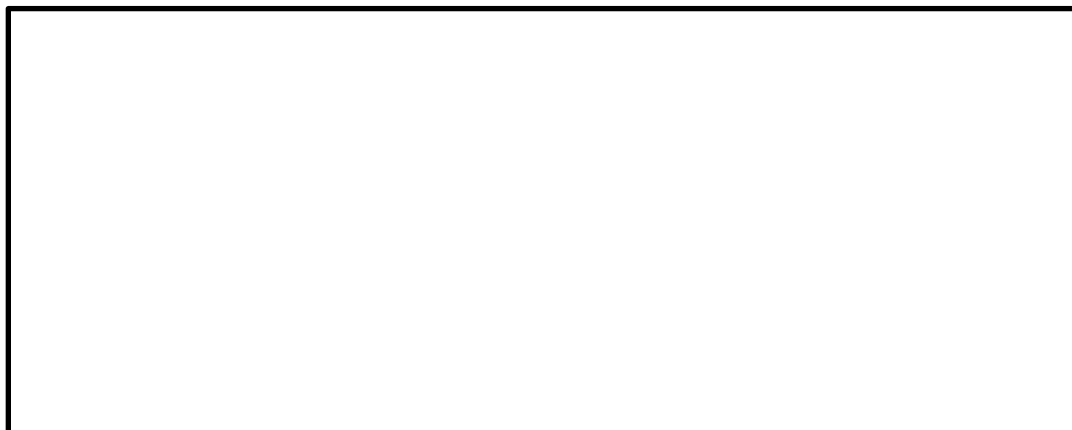
Programme Officers- Sri.Sumesh P.K., Dept. of Malayalam
SmtVeenas C L, Dept. of Physics

In this Academic year all NSS activities are done on the background of pandemic covid situation by following covid protocols. The NSS unit of Sree Narayana College, Sivagiri Varkala organized various programmes during the academic year 2020-2021 giving importance to environmental awareness, health personality development, community welfare etc.

PARITHRANAM

In association with the observance of Environment Day which falls on 5th June 2020, National service scheme, University of Kerala and National Youth Council of India is jointly introducing a new initiative entitled „Parithranam“ through which NSS Volunteers will plant the tree saplings in their homes for a period of seven days from 29/05/2020 to 05/06/2020.

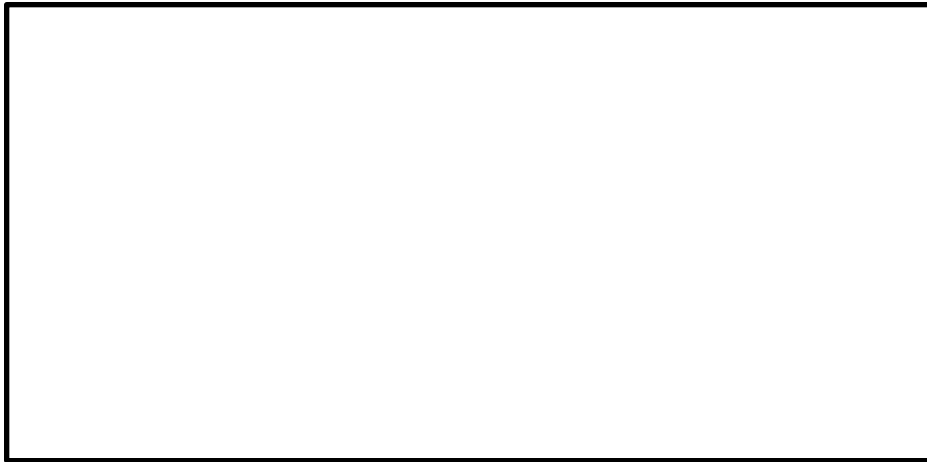
In this mission all the NSS volunteers plant the tree saplings in their homes due to the pandemic situation of covid – 19. 112 NSS volunteers participate in this programme. They tried to give the importance of this mission among society through social works. As a result, the students other than NSS volunteers, their parents and public also take part in this programme.

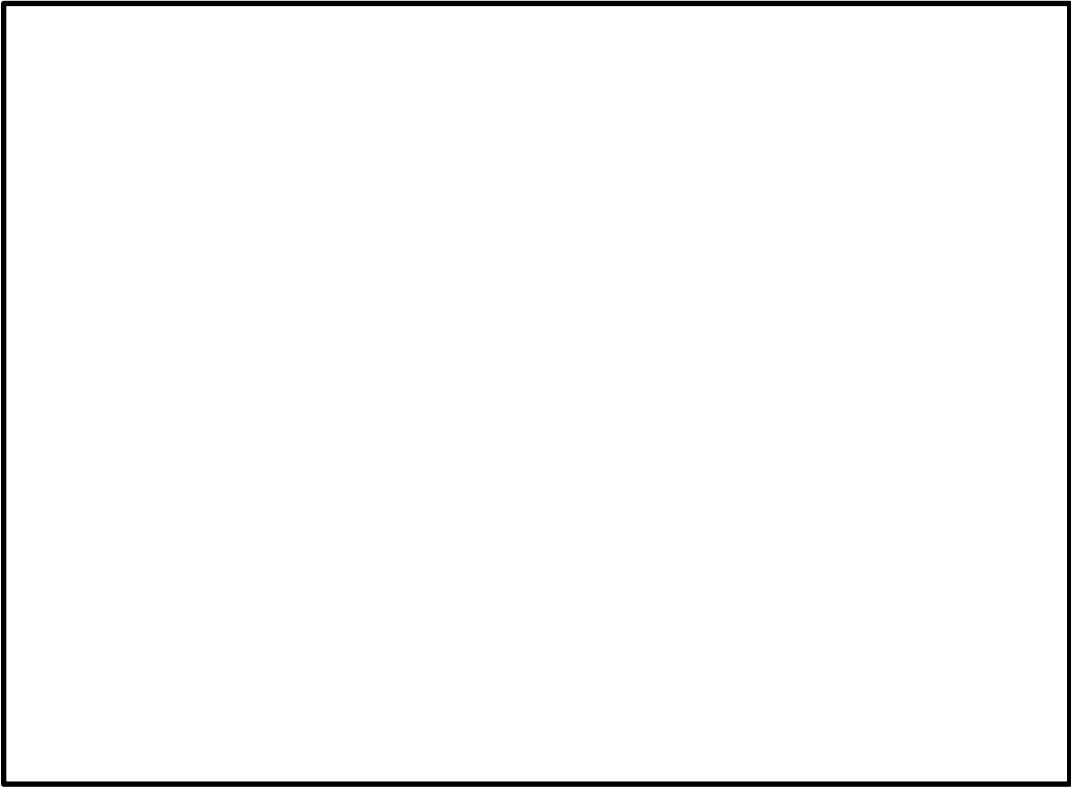
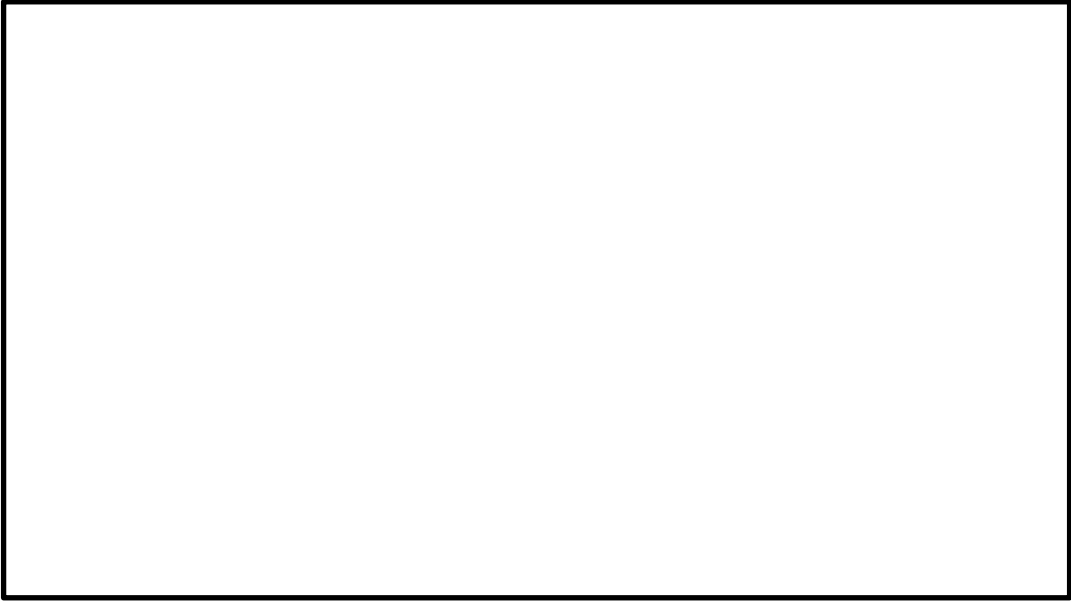


HARITHALAYAM

05/06/2020

As a part of observance of world environment day, Kerala University NSS Scheme implement a programme „Harithalayam“ in our campus this programme was inaugurated by Prof. T. Sanal Kumar (Former Principal, S.N. Trust Arts and Science College, Pambanar, Idukki, Head of the Department of Malayalam and Principal in charge) planting a tree sapling in campus. After wards Sri. Aji SRM (S.N Ttust executive member), Dr. G.S Babitha (IQAC Cordinator), Sri. G. Sivakumar (Vice President of PTA & Secretary of Former Students Association), Sri. A. Anilkumar (Superintended), volunteers sapling tree in campus with covid – 19 protocolle.





MEDICAL ASSISTANCE

For the medical treatment of former security officer Sri.

S. Rajendrn, (Kankichivilakim Veedu, Perunkuzhi) National Service Scheme collects Rs.10000/- (Ten Thousand Rupees) and gave him on 6th July 2020. Volunteers Sri. Jayakrishnan, Nandulal, Vishnu and Programme Officer handed over this money for him.



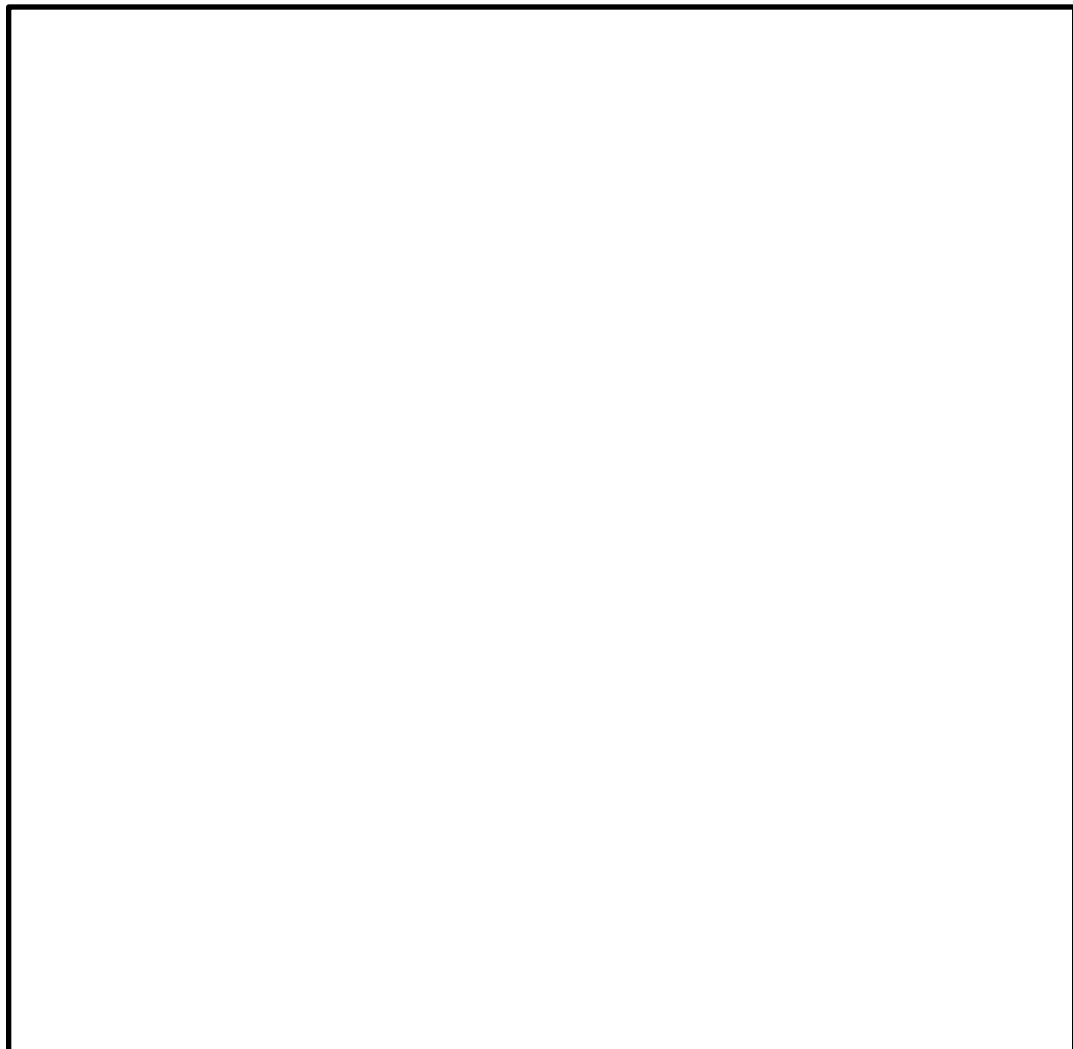
NSS volunteers collected money for the medical treatment of Sri. Sathar (Father of Salma Sathar, IIIrd B.Com H.M). He was a kidney patient and dependent of dialysis. Our NSS volunteers collect Rs.5,000/- (Five Thousand Rupees Only) for him. Principal Dr. K.C.Preetha handover the money to his daughter on 18/12/2020

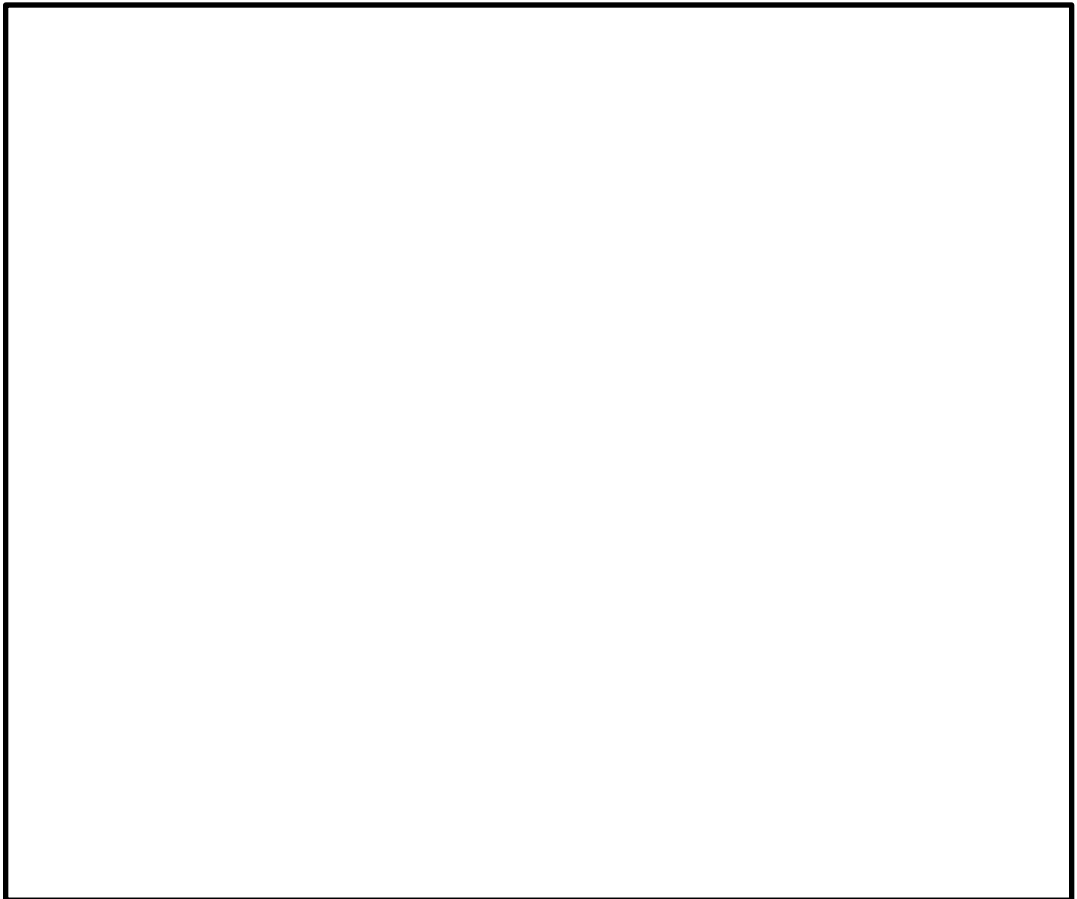
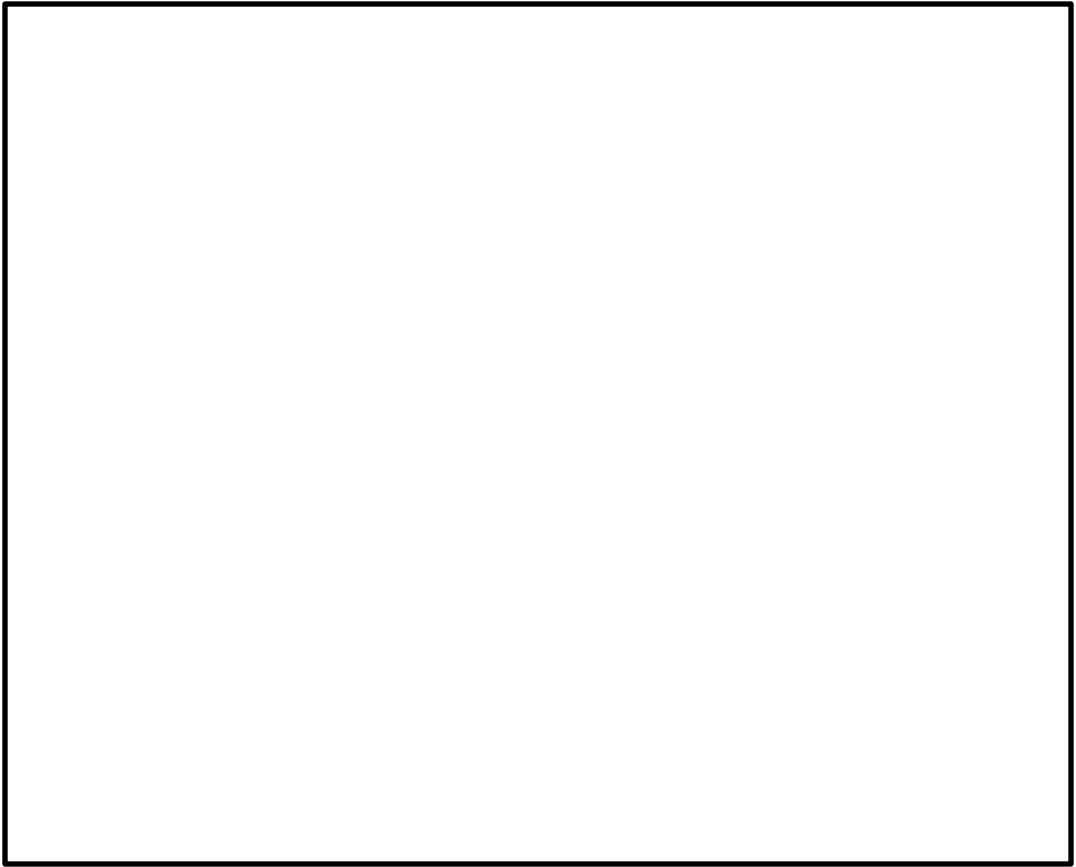


INDEPENDENCE DAY CELEBRATIONS

National Service scheme unit conduct the 74th Independence day celebration through Google meet platform. Celebrations inaugurated by Principal Dr. K.C. Preetha and gave message about Independence day. After this Sri. Aji SRM (SN Trust executive member), Prof.

T. Sanalkumar (Former Principal, S.N. Trust, Arts and Science College, Pambanar, Idukki) Dr. G.S. Babitha (IQAC, Cordinator) Sri. G. Sivakumar (Vice President of P.T.A and Secretary of Former Students Association), Smt. Lakshmi.S.Dharan (Programme Officer) Speak about the programme. Programme Officer Sri. P.K. Sumesh precided the programme. The welcome speech is done by Kumary Abitha Asok and Kumary V.J.Jnanachandra gave vote of thanks.



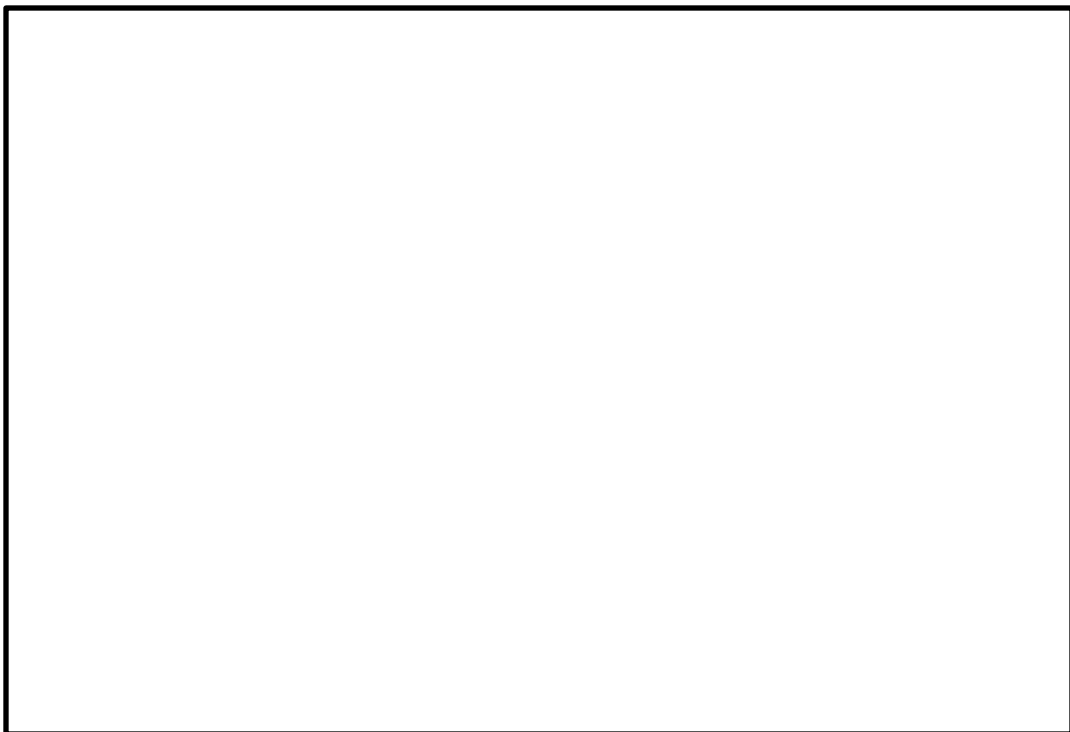


OBSERVANCE OF WORLD HUMANITARIAN DAY

The units conduct a programme on observance of World Humanitarian day in online platform on 19th August 2020. Principal Dr.

K.C. Preetha President by the programme. Webinar inaugurated by Prof.

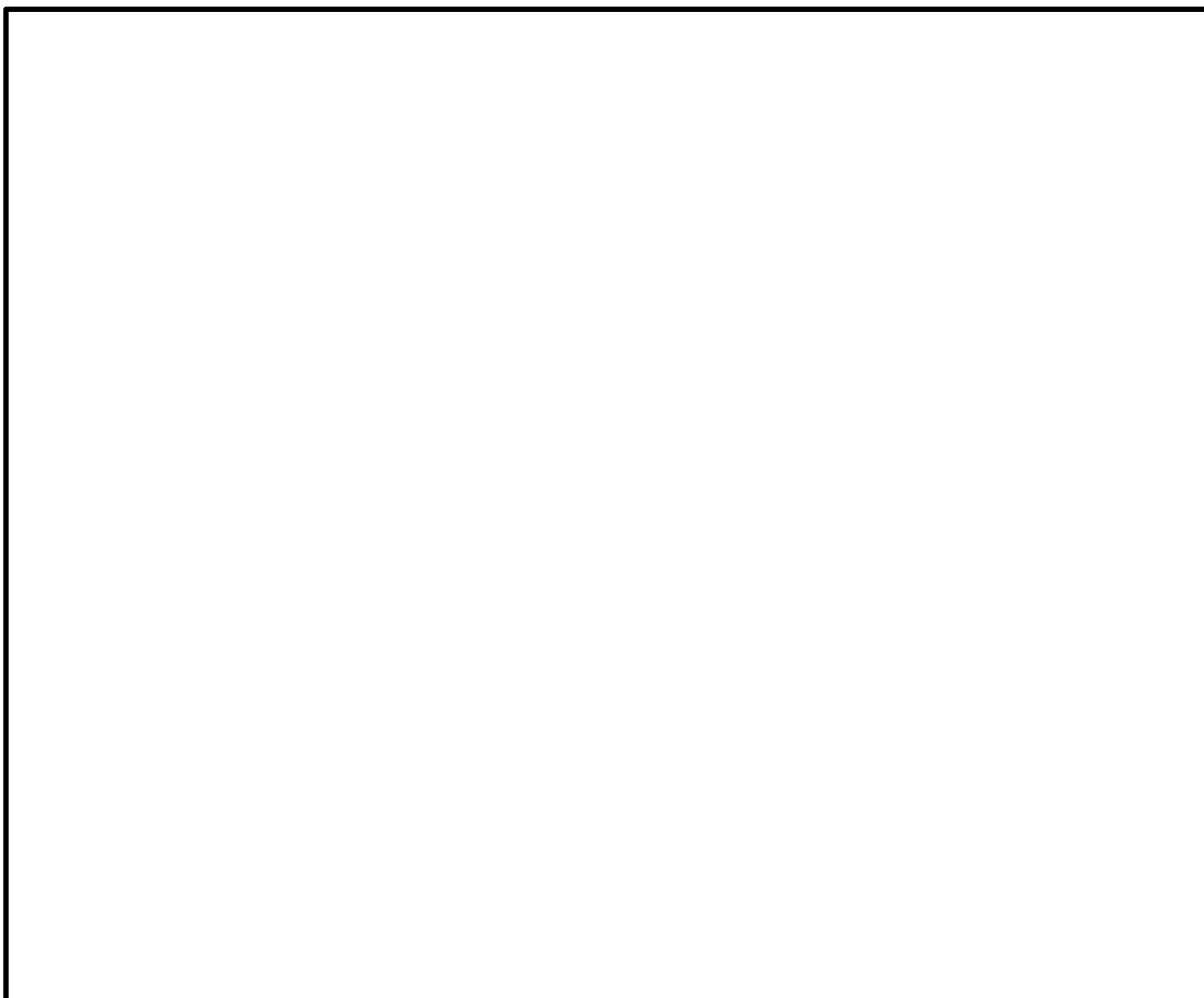
T. Sanalkumar (Former Prinipal, S.N. Trust Arts and Science College, Pambanar, Idukki) and conduct a speech about “Humanity in the vision of Sree Narayana Guru”.



COVID - 19 AWARENESS CLASS

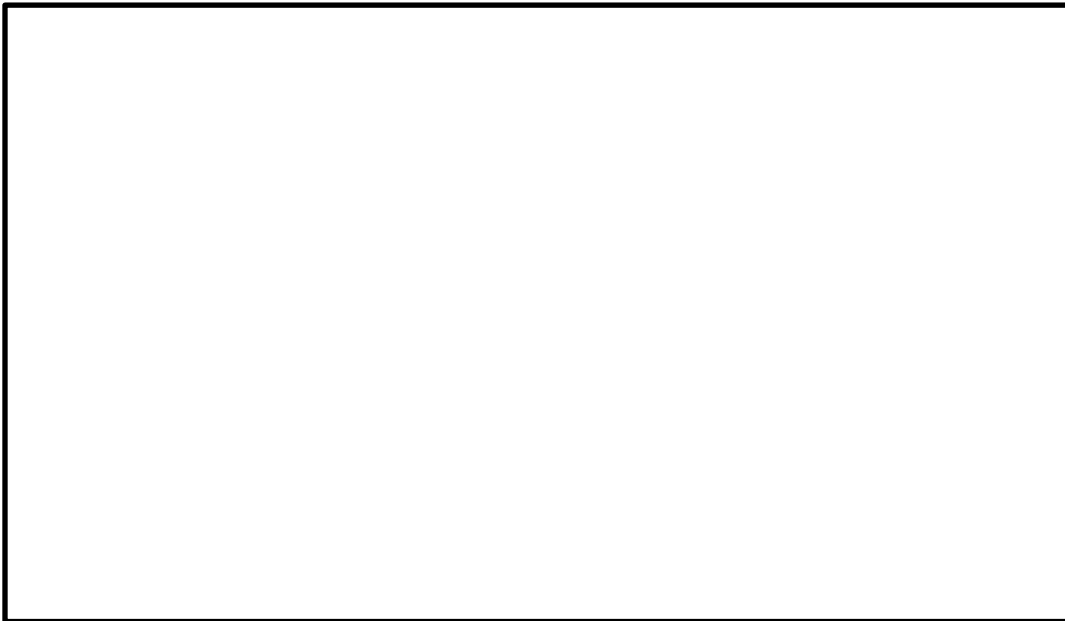
The NSS Unit of SN College, Varkala conduct a webinar programme on the topic „IN THE COMING DAYS THE COVID-19 DEFENCE“. The programme was held on 25/08/2020. Principal Dr.K.C.Preetha inaugurated the webinar. Sri.Aji SRM, SN Trust Executive member; Dr. G.S.Babitha, Senate Member, University of Kerala; Sri. G.Sivakumar, PTA Vice president and secretary of Former students association felicitate the programme.

Dr. S.V.Gigin led the awareness class and gave doubt clearance to the volunteers.



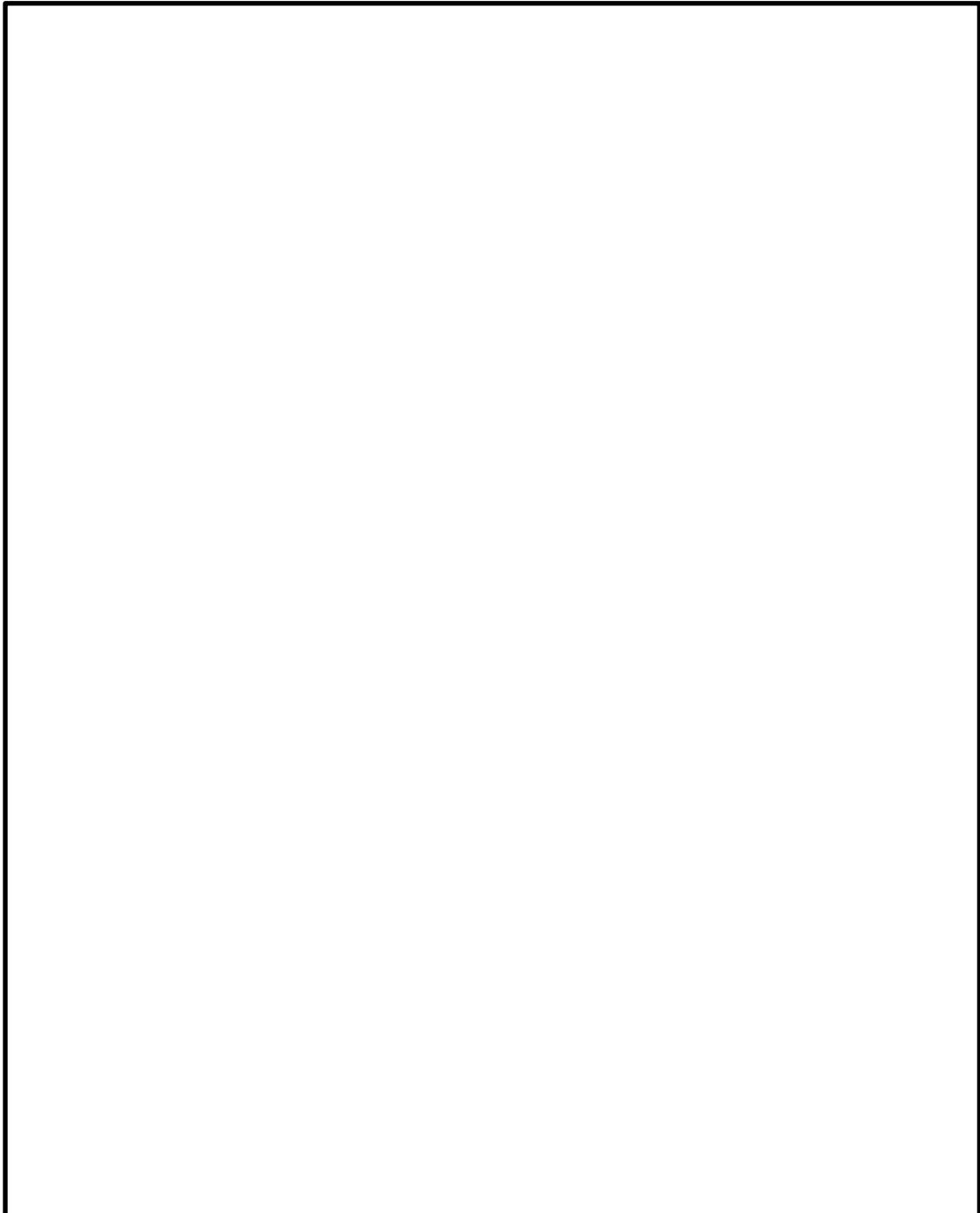
ONAM KIT DISTRIBUTION

The National Service scheme units distributed Onam kits to the most eligible families in our adopted village on 26th August 2020. The programme was inaugurated by Principal Dr. K.C. Preetha. Dr. G.S. Babitha (IQAC coordinator), Dr. Usha. R.B, Smt. V. Sini, volunteers, Programme Officers also participated in this event.



NSS DAY CELEBRATIONS

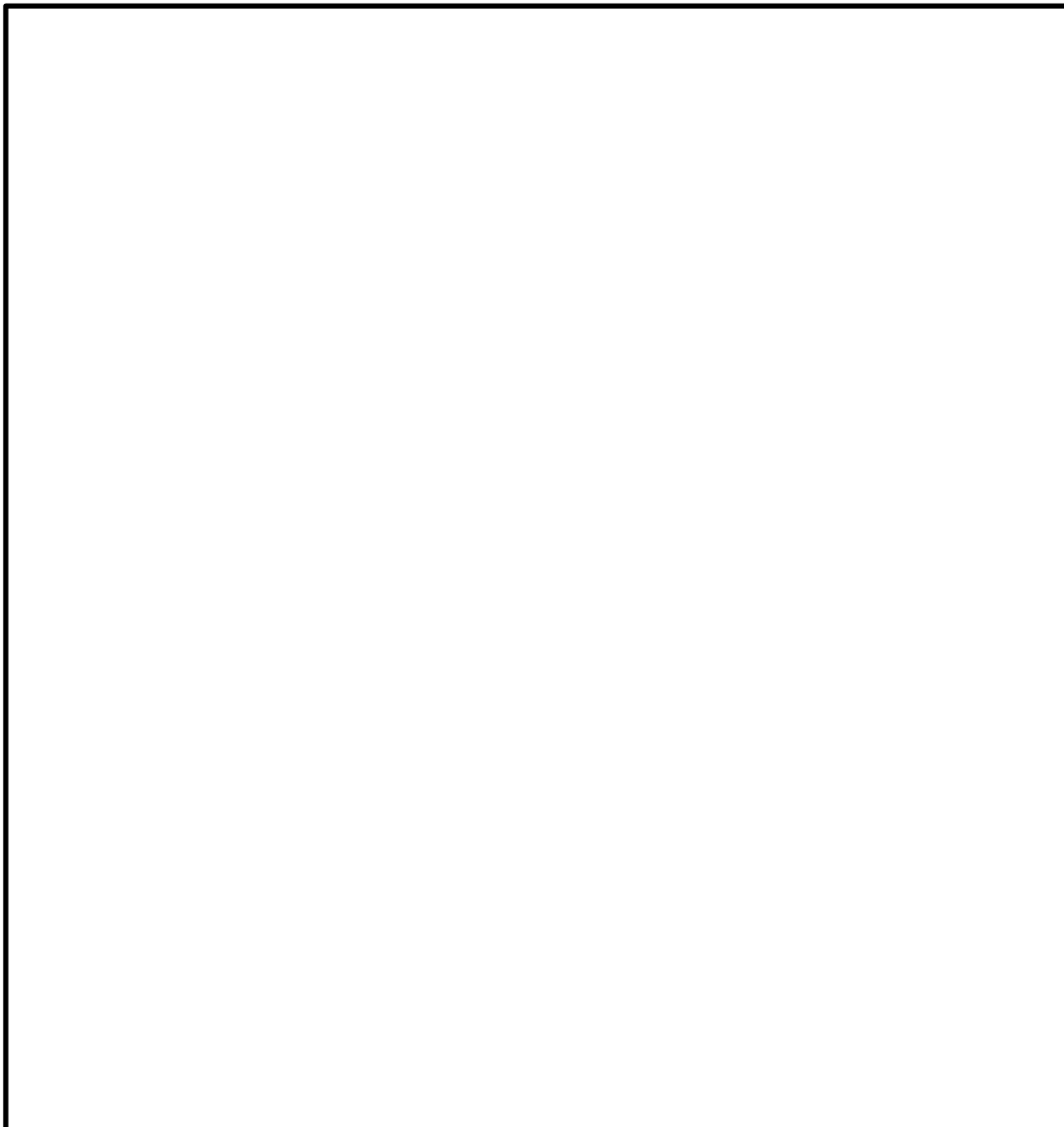
On 24th September 2020 the unit decided to organize various programmes. Principal Dr. K.C. Preetha inaugurated this function by raising the flag. After wards unit organize cultural programmes following covid – 19 protocol.





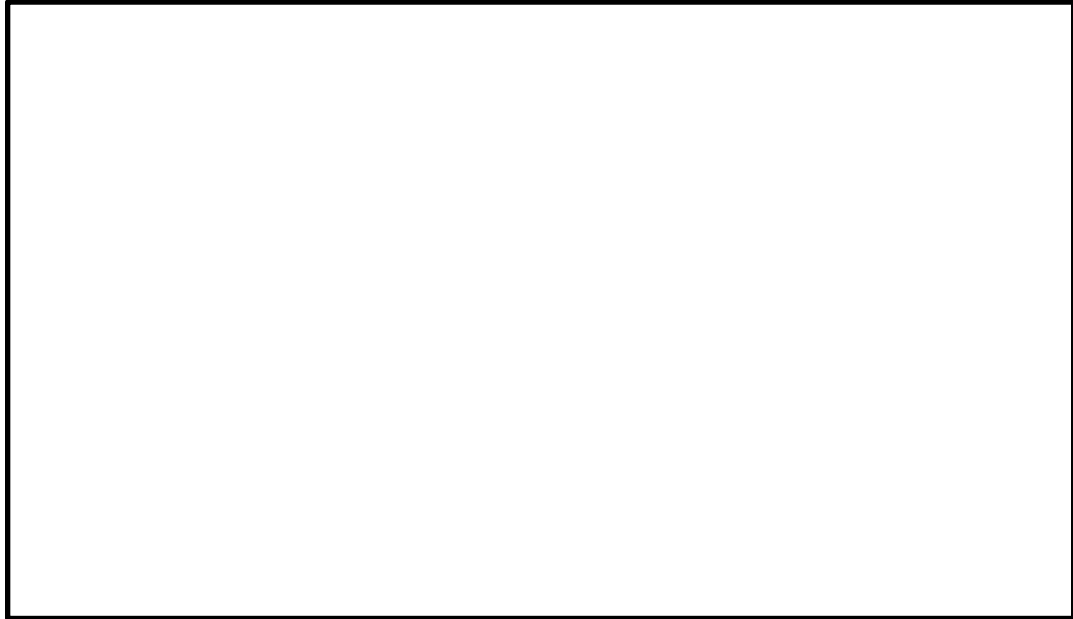
FIT INDIA PLOG RUN CAMPAIGN

First Anniverssary of FIT INDIA PLOG RUN which was launched by Shri. Kiren Rijju, Hon'ble Minister for Youth Affairs and Sports, Govt of India on 2nd Oct 2019. Along with the culmination of 150th Birth Anniversary of Mahatma Gandhi the Ministry is urging all NSS units to organize a virtual plog run on 2nd October 2020 Gandhijayanthi day. The plog run for picking up plastic and other wastes as part of Swachh Bharath programme can be undertaken at the home of volunteers and nearby areas in the morning. NSS Volunteers of S.N College, Sivagiri, Varkala participated in this programme.



GANDHI JAYANTHI

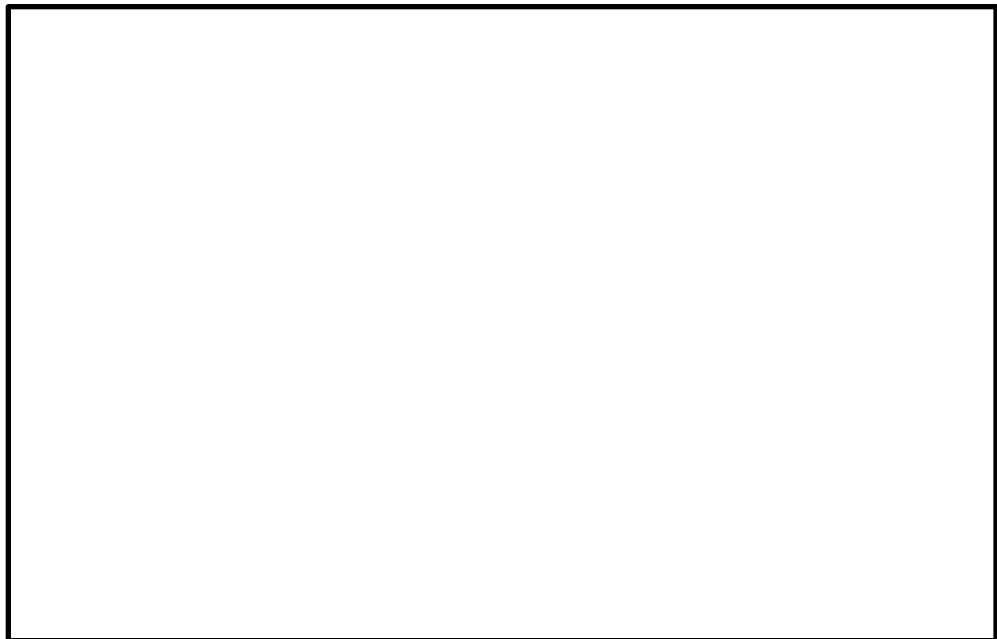
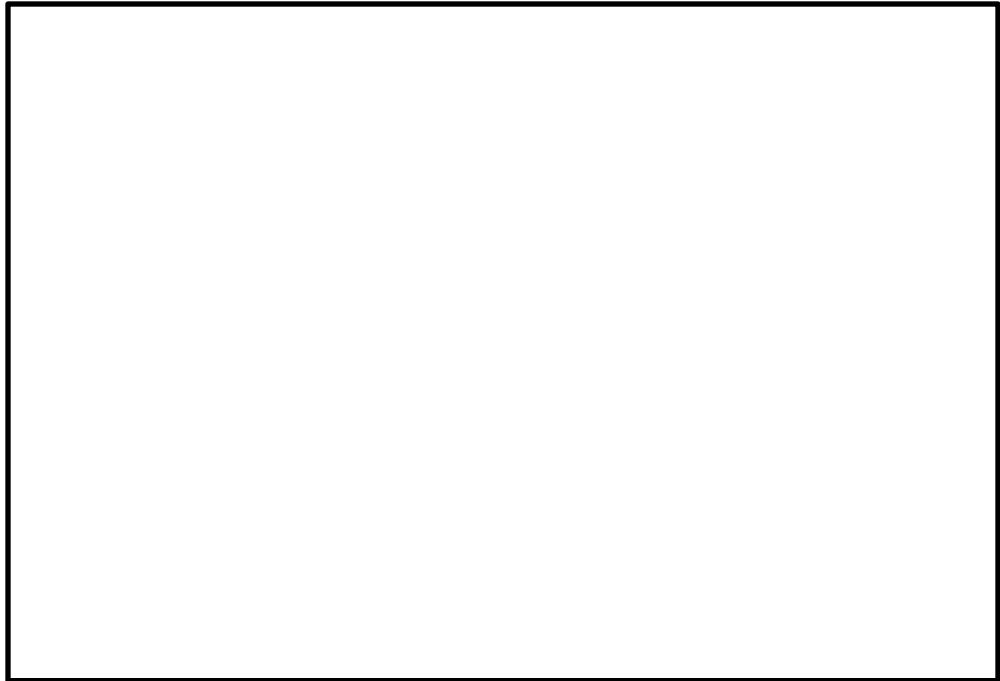
Related with 151th Gandhijayanthi, the units organize various programmes in adopted village. The programme was inaugurated by Principal Dr. K.C. Preetha. Dr. A. Joly former Principal gave study materials for students and Dr. G.S. Babitha Senate Member, University of Kerala gave sweets for students. Afterwards conduct competitions based on national songs and gave prizes. Programme Officers and Volunteers led the activities.

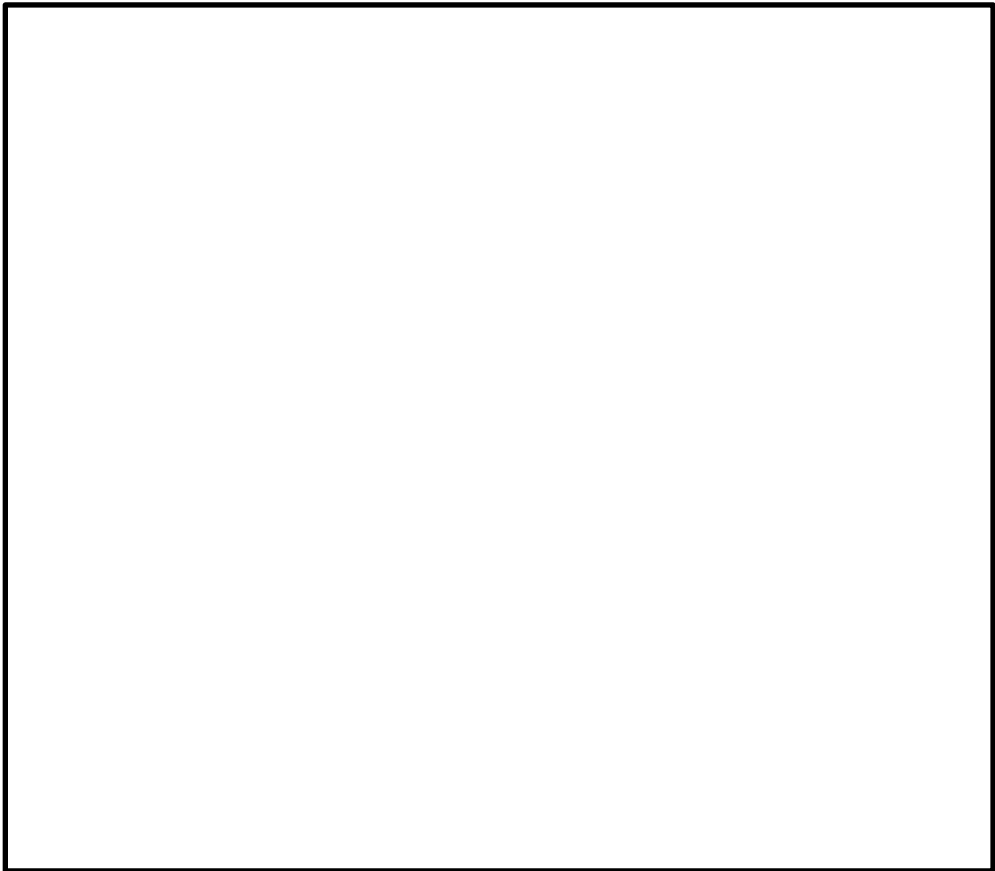
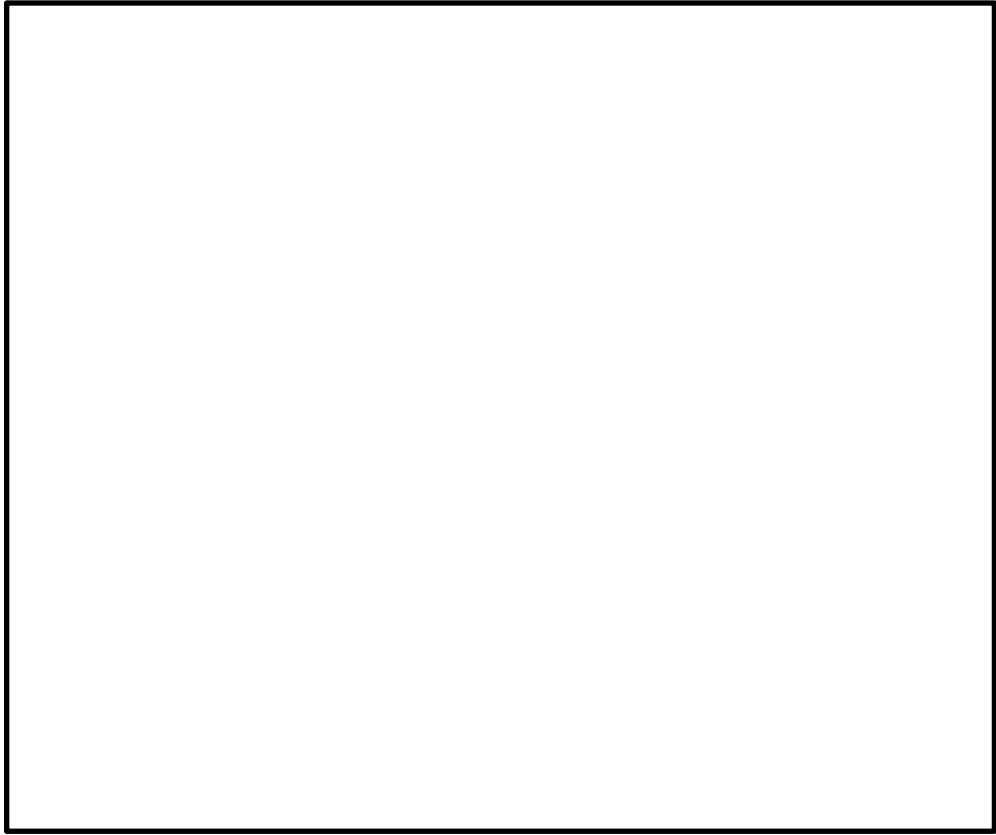




COVID - 19 PLEDGE

The honorable Prime Minister is launching a new campaign on prevention and mitigation of covid – 19 on 27th October 2020 at 1.00pm. All the NSS volunteers would have to take covid pledge at the same time. Our volunteer of NSS participated in this programme and take covid pledge.





BLOCK LEVEL WEBINAR ON NATIONAL EDUCATION POLICY

2020

National Service Scheme Unit SN College Varkala in Association with Nehru Yuva Kendra, Trivandrum; VKCET College, Chavarcodu, Varkala; SNGCAS College, Varkala conducted a block level webinar on the topic National Education Policy-2020 on 20th October 2020.

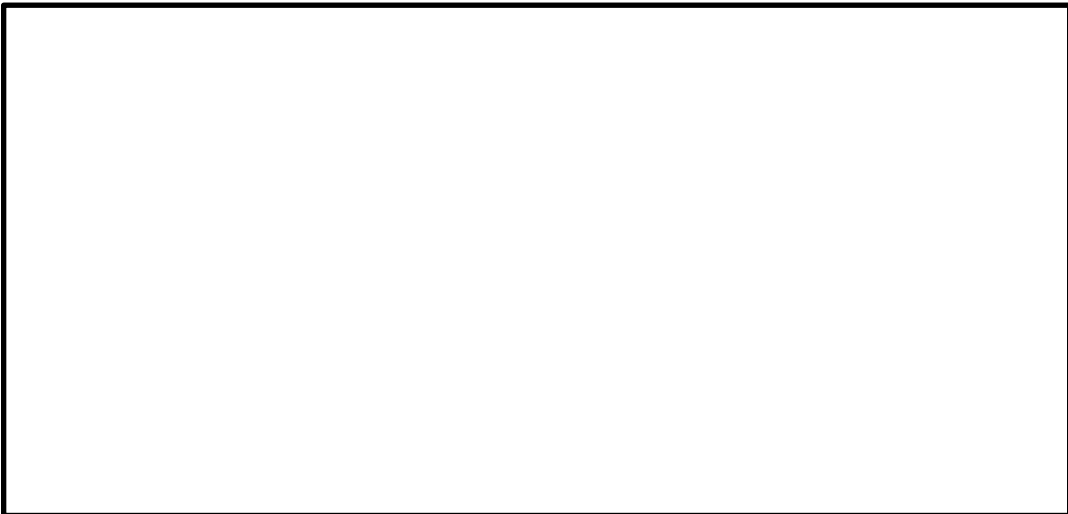
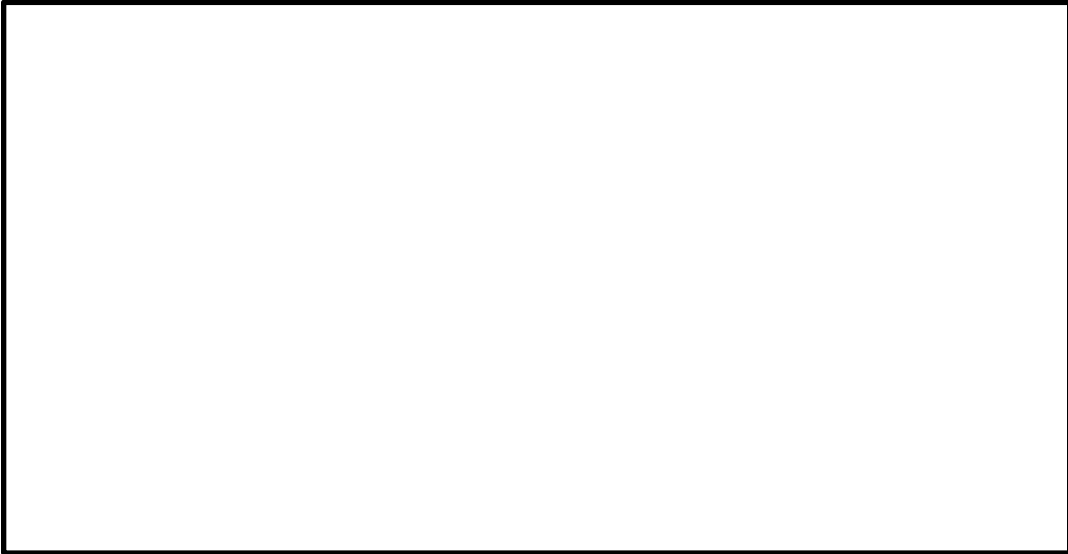
The Programme inaugurated by Dr. T.G.Ansalam Raj, Principal VKCET College, Chavarcodu, Varkala. Sri.P.P.Muhamemd Master, Senior Assistant, WOVHSS Muttil, Wayanad; Smt. Rohini.M, Programme Officer, SNGCAS Varkala; Sri. Vishnu Chandran, Programme Officer VKCET Varkala; Sri. B.Ali Sabrian, District Youth Co-ordinator, Nehru Yuvakendra, Ministry of Youth affairs and sports, Govt. of India participate the debate. Smt. Veenas.C.L, Programme Officer SN College, Sivagiri, Varkala Presided the webinar.





AGRICULTURE TRAINING PROGRAMME

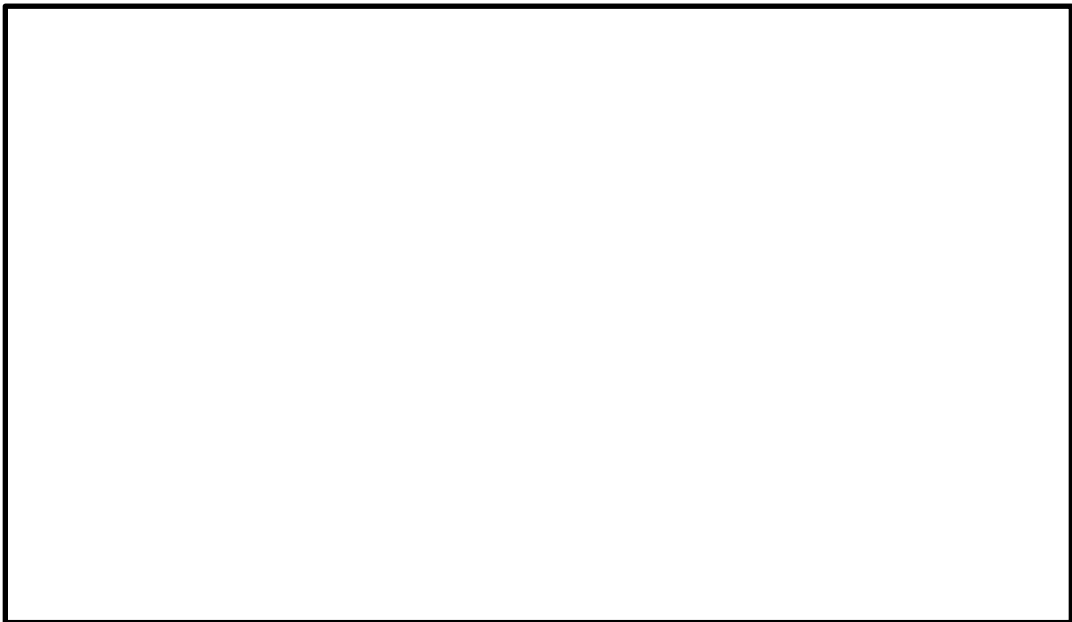
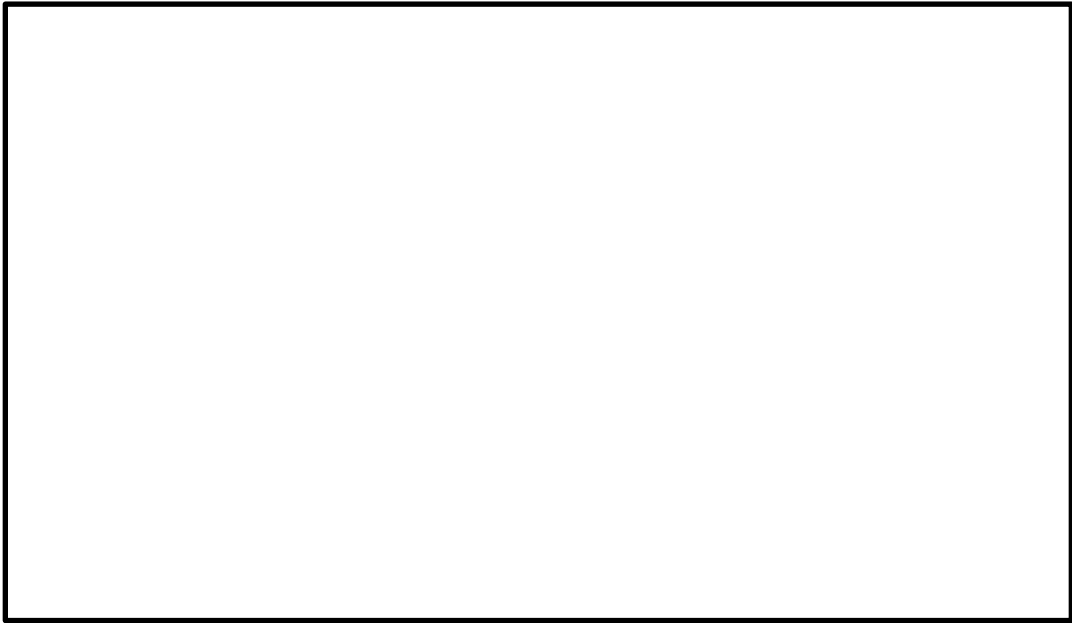
In various types of farming, there was a training programme organized by unit in association with Krishi Bhavan, Cherunniyoor, Varkala on 11/11/2020. There would have different kinds of trainings about soil preparation for farming, compost preparation, Grow bag filling, seed cultivation etc. Volunteers Abhinav, Indukalyani, Lekshmi S Nair, Vaishnav are participated in the programme. They completed the training programme and trained other volunteers in our units.



ANGANAVADI CLEANING

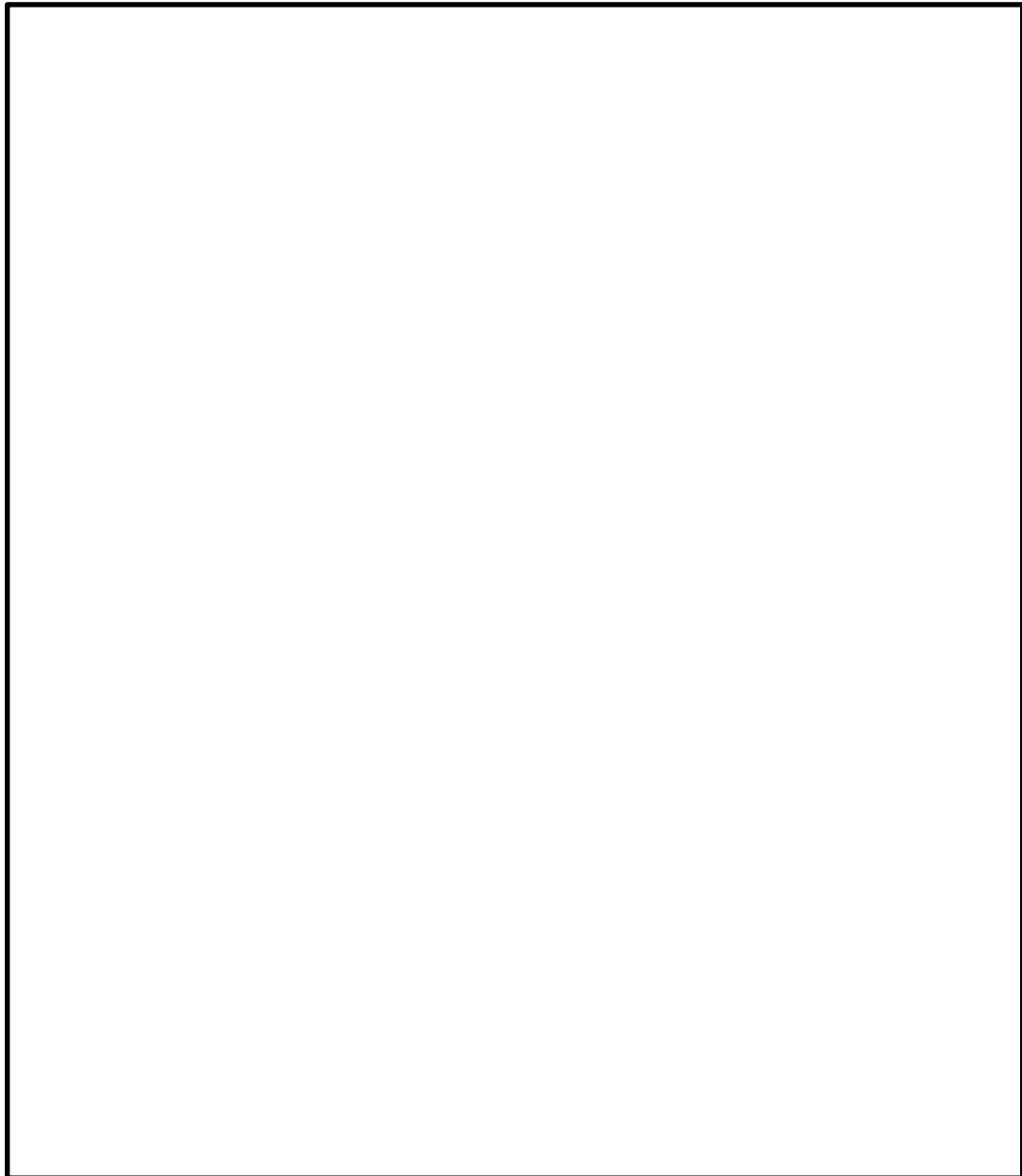
20/11/2020

During the period of curing of covid – 19. National Service Scheme volunteers conduct a cleaning programme in Anganavadi located in Adopted Village.



CONSTITUTION DAY PLEDGE

The constitution Day is being celebrated on 26/11/2020. All the NSS units would have to join the reading of the preamble to the constitution by the Hon“ble Prime Minister on 26/11/2020 at 11.00 am from their respective location by following covid protocols. NSS units of S.N College Varkala participated in the campaign.

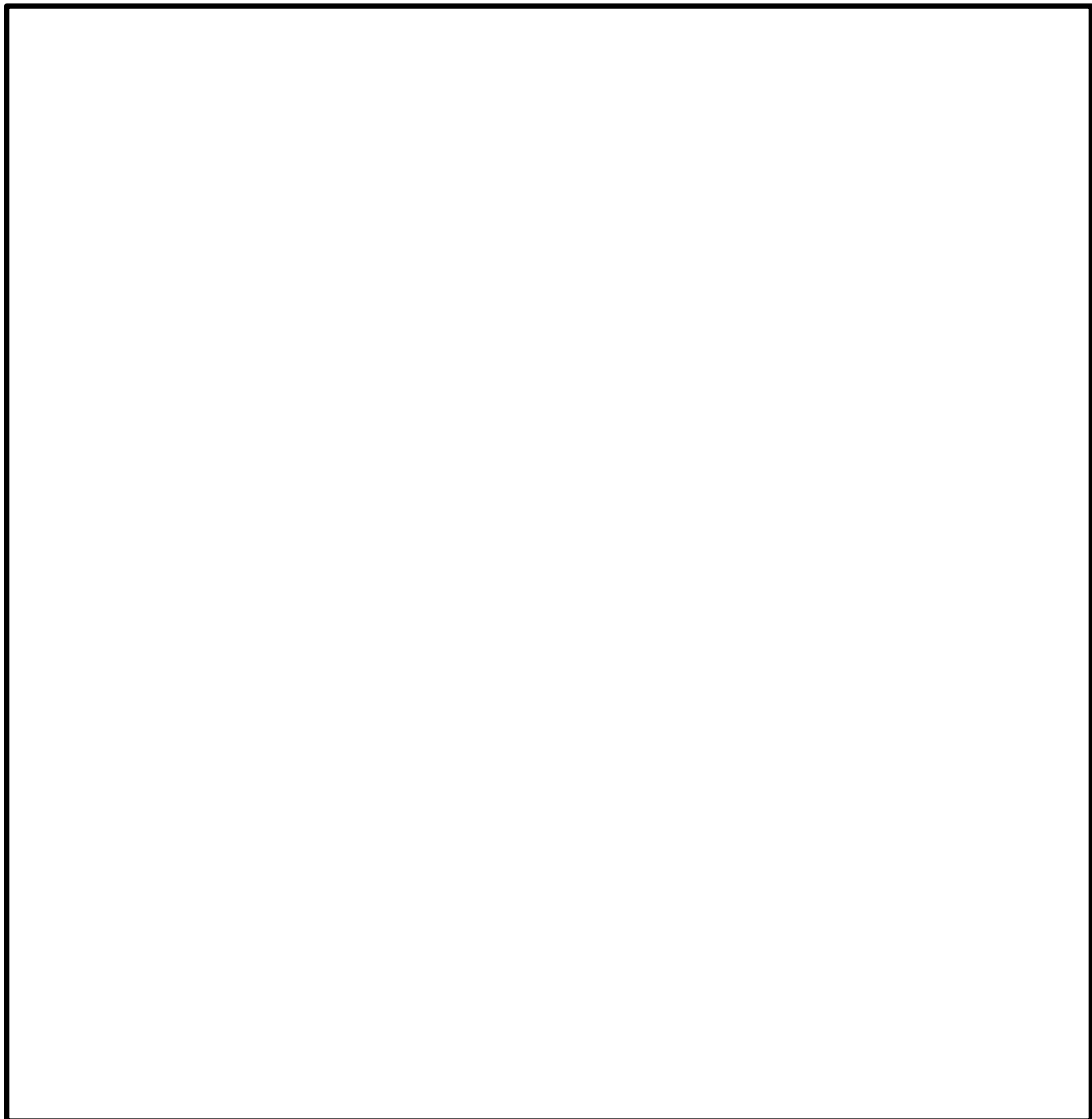


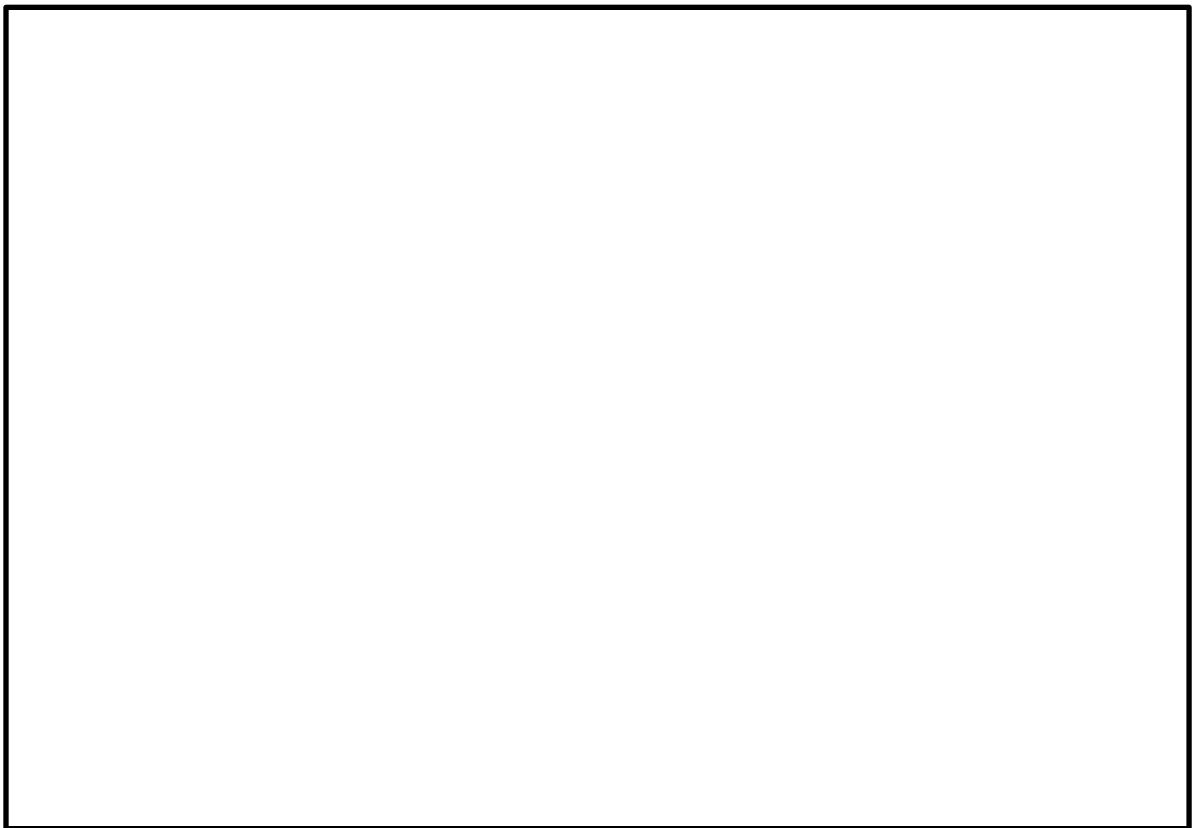
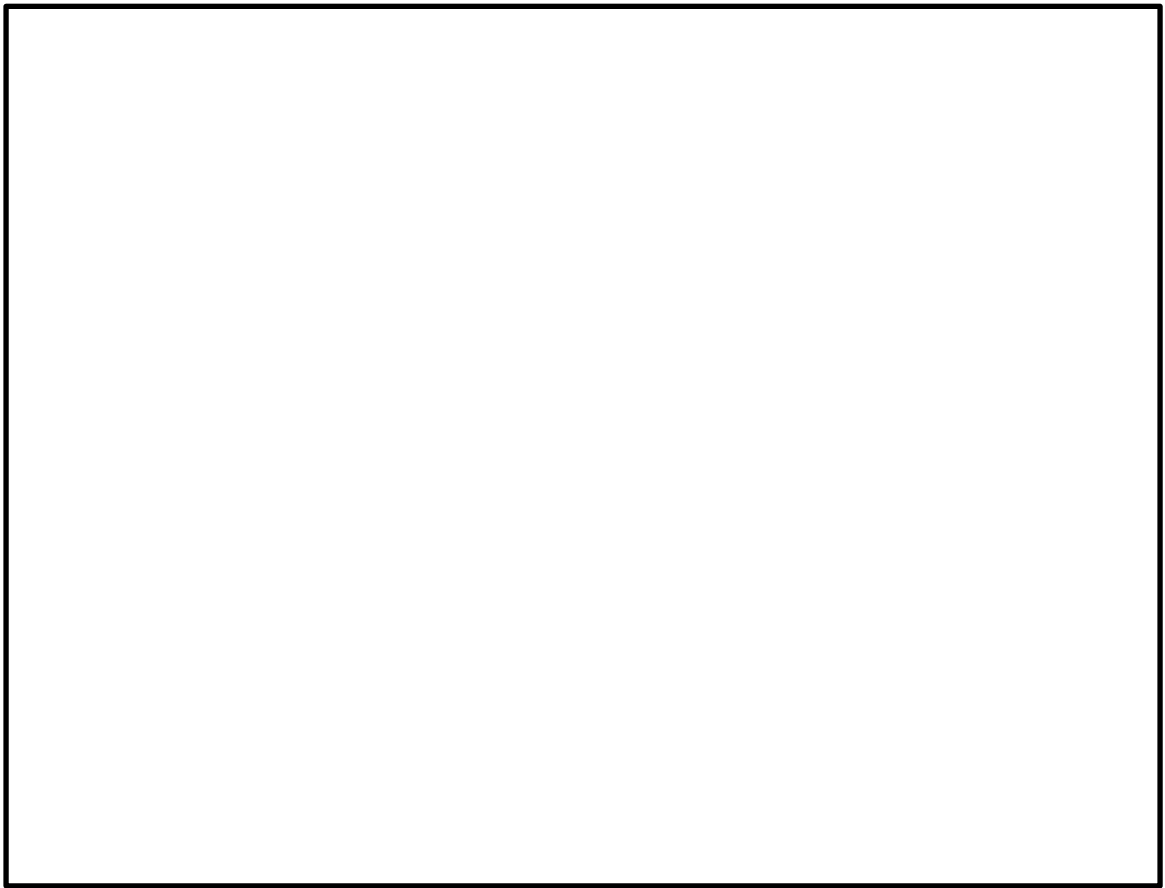
AIDS DAY OBSERVANCE

DECEMBER 1St 2020

Public health plays an important role in the well-being of the society. Giving awareness about the significance of maintaining good health is very important in the present social scenario.

World aids day is observed every year to create awareness of aids caused by the spread of HIV infection. As part of the aids day observance programme inaugurated by the Principal Dr. K.C.Preetha and conduct an awareness class on this subject. The class was led by Dr. S.V. Gigin, Physician, Taluk Hospital Varkala.

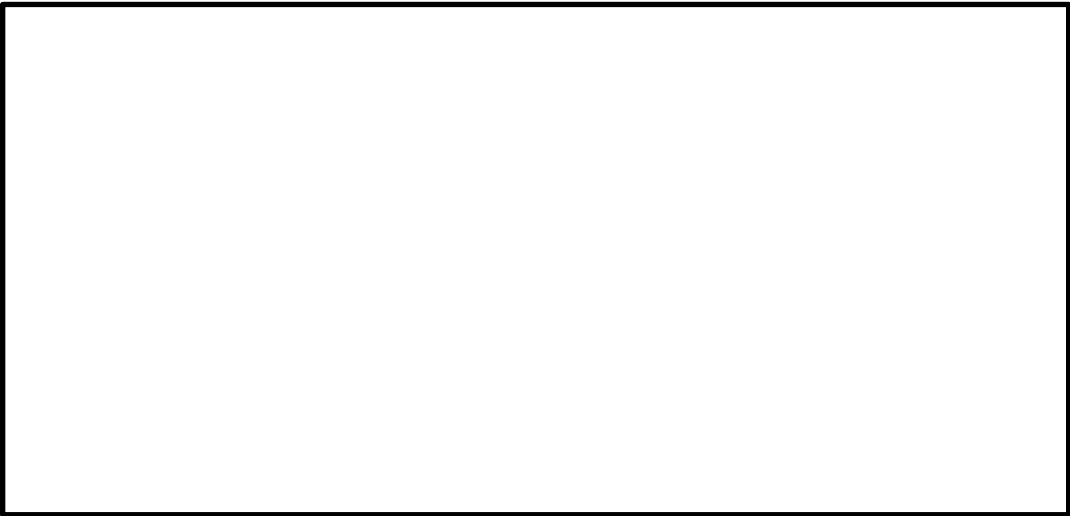
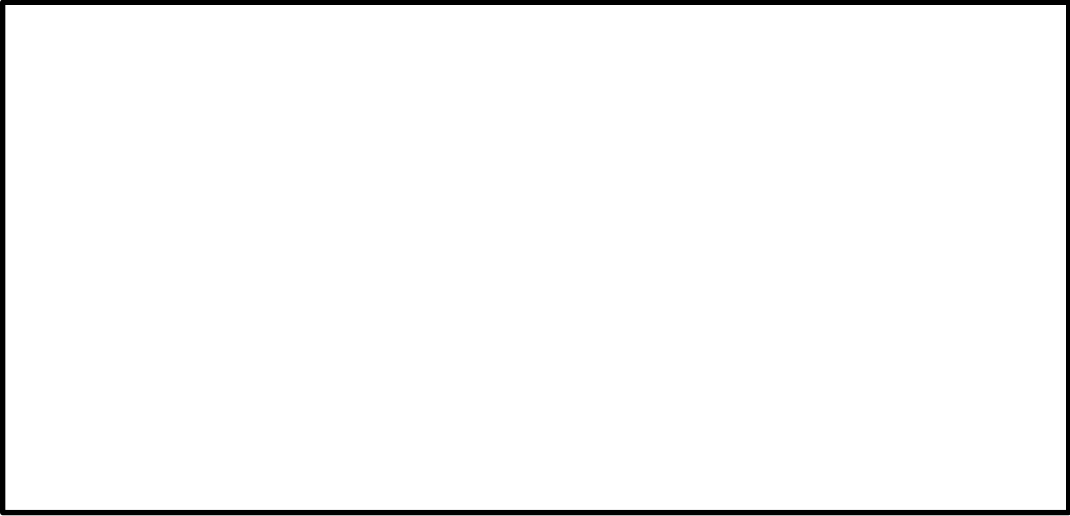




MAZHAMARA AGRICULTURE PROJECT

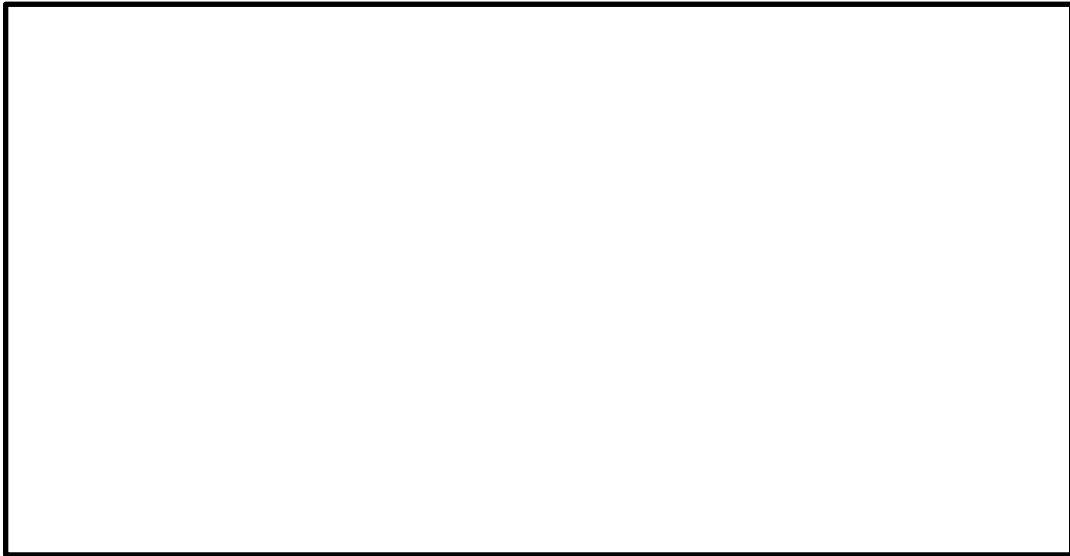
Changing mode of agriculture has resulted in the large scale production of poisonous food crops. Consuming such food items can result in harmful diseases. It is only then we come to realize the importance of poison free vegetables by ourselves. As an attempt to make the volunteers understand the importance of cultivation, the NSS unit of SN College Varkala took an initiative to cultivate vegetable in the college premises.

National Service Scheme Units of SN College Varkala in association with Krishi Bhavan Varkala and SN Trust management put into practice a programme was „Mazha Mara” Agriculture project. The project inaugurated by Smt. Beena Boniface, Assistant Director, Agriculture Department Varkala on 10/02/2021. Principal Dr. K.C.Preetha presided the programme. Sri. Aji SRM, SN Trust executive member, Sri. Radhakrishnan.K, Officer, Krishi Bhavan, Varkala, Sri. M.Baiju, Assistant, Krishi Bhavan Varkala, Dr. S.Soju, IQAC Cordinator, Smt. Sini, PTA Secretary, Sri. G.Sivakumar, PTA Vic President and Former Students Association also participated.



THANNERKUDAM

As the part of ecofriendly programmes from 2018 National Service Scheme Units of SN College Varkala conduct “Thannerkudam Project”. The aim of this project is to gave drinking water to thirsty birds and small organisms for getting sufficient water during summer season. This year the programme was inaugurated by the Pricipal Dr.K.C.Pretha on 14th February 2021. Sr. Aji SRM SN Trust executive member, Dr.S.Soju IQAC coordinator, Dr.G.S.Babitha, Sri.G.Sivakumar, PTA Vice President and Secretary of Former Students Association participated this programme.



HEALTH SURVEY

During the covid pandemic situation the National Service Scheme unit conducted a health survey in neighbouring houses of the vounteers on 23rd December 2020. The survey was conducted to know the health issues among the neighbours in pandemic situation.

PERSONALITY DEVELOPMENT PROGRAMME

An orientation class was held on 02/03/2021 under the guidance of Sri. Brahma Nayakam Mahadevan. The Class was attended by 100 students and the aim of this programme was to develop personality and interest among students on the importance of NSS in developing a commitment towards society. The resource person took effective class through different activities.

E-WASTE MANAGEMENT

07/03/2021

For decades, plastic has been considered as the dangerous pollutant on earth. But there is another pollutant called e-waste or electronic waste which is more powerful and dangerous. E-waste is formed due to the accumulation of discarded electronic products. E-waste generates harmful radiations which can cause damage to human cells. It can even cause harmful diseases. Even though we are aware of the consequences of e-waste, we are hardly doing anything to prevent it.

The NSS unit of Sree Narayana College, Varkala who realized the after effects of e-waste decided to find a solution to this problem. It was then they came to know about the Earth Sense Private Limited Company in Palakkad, that collects and recycle e-waste. The volunteers contacted the company through an employee of that Company.

As per the suggestions from the company, the volunteers collected about 150 kg of e-waste from their houses, other students, teaching and non-teaching Staff and also from the neighboring households. The volunteers also conducted an awareness programme for these people about the harmful effects of e-waste. This programme enabled the volunteers to contribute something for maintaining the health of their society. They also succeeded in making the people aware of the importance of recycling e-waste.

For recycling the collected E-waste hand over to Earth Sense Pvt. Ltd Co. Palakkad. The Principal Dr. K.C.Preetha flag off the vehicle carrying E-Waste. Sri. Aji SRM, SN Trust Executive member, Sri. G.Siva Kumar, PTA Vice President and Secretary of former students association; programme officers and volunteers took part in this programme.

WOMENS DAY CELEBRATION

08/03/2021

The National Service Scheme Unit of S.N. College, Varkala in Association with women's study unit celebrated womens day. As part of the activities unit conducted an awareness class on the topic „Issues and concerns of Women's Health in India“ on 08/03/202,10.00 am. Principal Dr.K.C.Preetha presided by the programme Dr.S.Soju IQAC Cordinator, Smt. C.L.Veenas Programme Officer NSS felicitate the programme.

Dr. Amrutha BNYS, Gynaecologist, SSNMM Hopital, Varkala led the awareness class and gave doubt clearance to the students.

KURUNNUKALKORU KUNJUPUTHAPPU

24/03/2021

The NSS unit of SN College Varkala collected the dresses for Anganavadi children and distributed named „Kurunnukalkoru Kunjuputhappu“.

Volunteers of SN College Varkala realize the truth that there are some childrens from the Anganwadi of adopted village are economically backward. So they had shortage of dresses. So the unit decided to gave some dresses for that children.

Volunteers collected dresses from their homes, friends, relatives and teachers. These dresses are carried to the Anganavadi on 22/01/2021. Smt. V.Sathi, Teacher of Anganavadi and Smt. S.Sarala, helper of Anganwadi received the boxes containing dresses.

PALLIATIVE CARE

Palliative care is an inter disciplinary approach to specialize the medical and nursing care for people with limiting illness. It focuses on providing relief from the symptoms, pain, physical stress and mental stress at any stage of illness. The goal is to improve quality of life for both the person and their family.

During the academic year NSS Unit gave medicines, dresses, food etc. for palliative care patients. This programme was inaugurated by Dr.

K.C. Preetha (Principal) on 10th March 2021. Sri. Aji SRM (SN Trust Executive Member), Dr. G.S. Babitha (Senate Member Kerala University), Dr. S. Soju (IQAC Cordinator), Smt. Sini.V (PTA Seretaty & Asst. Prof, Dept. of Malayalam) also participated in this programme.

TESTING THE QUALITY OF FOOD ITEMS

NSS Units of SN College, Varkala in Association with Food Safety Department, Government of Kerala, Varkala circle organize a programme related with testing the quality of food items on 29/03/2021. The programme was inaugurated by the Principal Dr.K.C.Preetha gave a sample of oil. They test the quality of various food items from the teachers, non teaching staffs and students.

Government of Kerala, Food Safety Department Varkala Circle Officer Sri. R.P.Praveen; Smt. Ajitha Jose, TechnicalAssistant; Sri. Vinod S Nair, Lab Assistant; Smt. Prema.K, Office Assistant, Food Safety Office Varkala Circle are participated in this programme.

EAT RIGHT MOVEMENT PROGRAMME

31/03/2021

As the part of „Eat Right Movement“ the online guidelines format of pamphlet obtained from the food safety department, Thiruvananthapuram district, Varkala Circle Office. The Pamphlet distributed among the volunteers. They send this tract to their friends, Classmates, Relatives and Public through Social Media. Also they gave awareness about that.

CAMPUS CLEANING

The aim of our NSS Unit was the clean and green campus. As part of the year round programme of the unit, the volunteers often did cleaning programmes as part of their field work obeying covid protocol.

SEVEN DAY ANNUAL CAMP

In this academic year the NSS Unit conducted the seven day annual camp „Thranam 2020“ following covid-19 protocol. Because of this camp organized in online platform and offline plat form.

The camp was inaugurated by Dr.K.C.Pretha, Prinipal on 23/12/2020. The inaugural meeting was presided over by C.L.Veenas Programme Officer. Sri. Aji SRM, SN Trust Executive member, Dr. Soju.S IQAC Cordinator, Smt. V.Sini P.T.A Secretary, Smt. Lakshmi.S.Dharan fromer Programme Officer, Sri.G.Sivakumar P.T.A Vice President and Secretary Former Students Association, Sri.M.Rajeevan, S.N Trust Life Member felicitate the programme. Welcome speech done by Programme Officer P.K.Sumesh and Kumary Akhila.B gave vote of thanks.

Later the primary activities of the camp held for new NSS volunteers.

In the second day of the camp there was an awareness class was held on 24th December. Dr.A.Shaji, Cordinator, NSS University of Kerala led the class on the topic “Youth as Problem Solvers and Change Agents”. And also conducted health Survey (offline) on neighboring houses of the volunteers.

The third day’s Programme was a medical awareness class. Dr.K.R.Jayakumar, HOD of Naturopathy, Sivagiri Medical Mission Hospital Varkala led the class on the topic “Prathirodha Seshi Vardhippikkunnathil Yoga Prakruthy Chikilsayude Prasakthi”. After heis programme volunteers collect E-Wate from their houses and neighbouring houses.

The fourth days programme was an awareness class on the topic “personality development through social work”. The class led by Prof. T.Sanalkumar Former Principal SN Trust Arts and Science College Idukki Pambanar and HOD of Malayalam SN Varkala. After the programme, volunteers arrived college campus and did various activities following covid-19 protocol.

The fifth day there was an awareness class „Namukkoru Yathra Poyalo“. The class led by Smt. Vini, Assistant Professor, Dept. of Malayalam. SN College, Varkala. After the programme volunteers cleaned their home and surroundings and plant sapling for future.

Dr. Shameer Hamsa Assistant Professor, Iqbal Colelge, Peringamala led an awareness class on the sixth day of the camp.

Last day of the camp there was an awareness class about the topic „Group Dynamics“. The class led by Dr. Sajith S.J Sasi, HOD of Hindi, SN College Varkala.

After that closing ceremony conducted. The meeting inaugurated by Dr.G.S.Babitha, Senate Member University of Kerala and Assistant Professor, Department of Zoology. The former NSS volunteers, teachers, non-teaching staffs, management representative all were participated.

In Every day of the camp NSS Song, Thought for the day, Newspaper reading, evaluation of the previous days programmes are conducted.

National Cadet Corps (NCC) 1 (K) BN NCC VARKALA

NCC Officer-Lt. Dr. Sidhukumar N.

Programmes-2020-21

**JANATHA CURFEW
ENVIRONMENTAL DAY
INTERNATIONAL YOGA DAY
COVID DUTY
INDEPENDENCE DAY
SWACHATHA PAKWADAA
REPUBLIC DAY
KARGIL DIWAS
SOCIAL SERVICES**

- **STATUE CLEANING**
- **CAMPUS CLEANING**
- **AWARENESS RALLY**
- **KARUNALAYAM VISIT**
- **MASK DONATION**
- **BLOOD DONATION**
- **AWARNESS CLASS**

ATC CAMP

The NCC of the college is attached to 1st Kerala Battalion NCC Varkala. The NCC of this college belongs to the Army wing.

The NCC aims at developing character, discipline, a secular outlook, the spirit of adventure and ideals of selfless service amongst young citizens. Further, it aims at creating a pool of organized, trained and motivated youth with leadership qualities in all works of life, who will serve the nation regardless of which carrier they choose. Needless to say, the NCC also provides an environment conducive to motivate young Indians to join the armed forces.

CORE VALUES

The NCC is a responsive, learning and continuously evolving organization. Its activity is guided by certain core values that we endeavor to instill among all ranks of the NCC. These include the following.

- a) A sense of patriotic commitment to encourage cadets to contribute to national development.
- b) Respect for diversities in religion, language, culture, life style, ethnicity and habitat to instill a sense of national unity and social cohesion.
- c) Abiding commitment to learn and adhere to the norms and values enriched the Indian constitution.
- d) Understanding the value of a just and impartial exercise of authority.

Academic Incentives

NCC Cadets who secure more than 75% of attendance are eligible for weightage marks for their admission to various courses and adding grade point in the University examination.

NCC Officer: Lt.dr. Sidhukumar.N, Department of Commerce

GOLDEN ACHIVEMENTS

EBSB GUJARATH

ABHIRAMI A (dept of Zoology)

EBSB MADHYAPRADESH

RAGI G RAJ (dept of Physics)

160 cadets participated in social works

100 cadets attended ATC camp

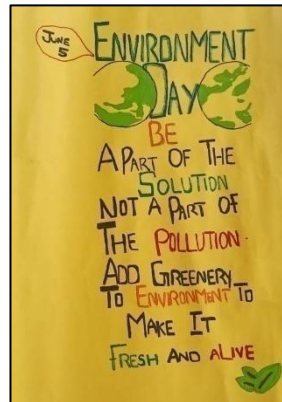
JANATHA CURFEW

Prime Minister Narendra Modi on Thursday addressed the nation and called for a Janata Curfew on Sunday, March 22. He said this curfew will be “for the people and by the people of India” and will be from 7 am to 9 pm on Sunday.

PM Modi said it will apply to everyone and urged all citizens to stay inside their homes. He said those in emergency and essential services should do their regular duties.

SUO Jishnu S raj talk up and give an awareness about the janatha curfew.

ENVIRONMENTAL DAY



World Environment Day is celebrated annually on 5 June. The NCC cadets of SN college Varkala also shows their participation on environment day by planting trees, plants and have also participated in competition conducted through online. 160 cadets participate in this programme. The organizer of this programme was Lt Dr Sidhu kumar N.

INTERNATIONAL YOGA DAY



On 21st June 2020 NCC unit of S.N College Sivagiri, Varkala conducted a yoga programme as the part of 'INTERNATIONAL YOGA DAY'. The programme started with the prayer by NCC team. Then the welcome address was done by our ANO, who is the assistant professor Dept. of commerce, Lt.Dr. Sidhukumar.N sir. Due to covid pandemic situation the yoga day was celebrated in online platform in Google meet. The coordinator was Lt.Dr Sidhukumar.N. The PI staffs from 1 K BN Ncc Varkala also participated in this session. 100 cadets have participated.

COVID DUTY



There were duties for NCC cadets during the covid 19 pandemic situation. This year academic admission was done in between covid 19, So for keeping social distance , sanitizing and in help desks NCC cadets worked along with NSS volunteers and Admission coordinators.

INDEPENDENCE DAY



The NCC Unit celebrates Independence Day on 15th August 2020. Our respected Principal in charge hoisted the flag and inaugurated the function . The cadets saluted the flag and imbibed in them the spirit of patriotism and unity. Our respected ANO Lt.Dr. Sidhukumar.N saluted the flag and gave the cadets his message on National integrity and the need to fight terrorism. Our PI Staff & Ex-seniors were attended the programme. Teachers of the college, all students and NSS Volunteers attended the function. There were limitations in participation of cadets due to covid 19.

SWACHHATA PAKHAWADA



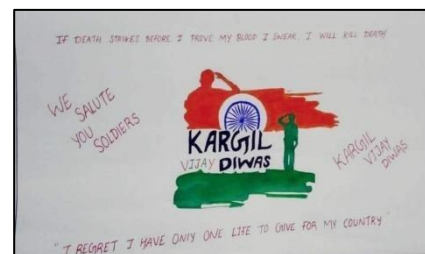
SWACHHATA PAKHAWADA, with the objective of bringing a fortnight of intense focus on the issues and practice of swachhata. We celebrated SWACHHATA PAKHAWADA on 15 Th august. The NCC team started the programme with prayer. The cadets cleaned up there campus and surrounding. For a healthy future ,keep the surrounding free from plastics .

REPUBLIC DAY



Republic Day is celebrated every year on January 26 in India, since 1950 to commemorate the Indian Constitution replacing the Government of India Act (1935) as the governing document of India. Normally students conduct rally ,due to this pandemic situation the programmes were conducted online . We conduct online parade competition and poster making competition.

KARGIL VIJAY DIWAS



The day is celebrated as 'Kargil Vijay Diwas' to rekindle the pride and valour of the soldiers who took part in Operation Vijay. The day marks the victory of Indian soldiers in recapturing the mountain heights that were occupied by the Pakistani Army on July 26, 1999, known as the Kargil War.

The cadets shows respect through speech and done posters in behalf Kargil Vijay diwas.

50 cadets have participated.

SOCIAL SERVICES

STATUE CLEANING



The cadets of SN College has cleaned the public statues and surrounding .

CAMPUS CLEANING



The cadets cleaned up the campus and NCC office area.

AWARNESS RALLY



The cadets along with ANO Lt. Dr Sidhu Kumar N conducted a Covid 19 awareness rally



KARUNALAYAM VISIT

ANO Lt. Dr Sidhu Kumar N and cadets had visited karunalayam for charity programme. Due to covid limitation only around 10 cadets attend the program.

MASK DONATION

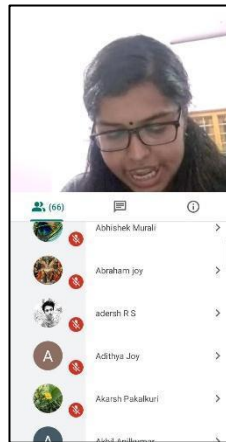
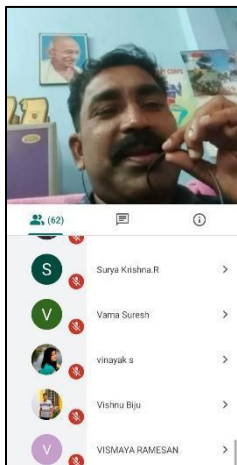


The cadets of SN college Varkala donated masks and sanitizer during the covid 19 situation.

BLOOD DONATION



Blood donation was conducted as a programme by NCC cadets during covid 19 . The blood was donated in Kollam hospital in the presence of dept of hindi and PI staffs .20 students had participated in blood donation



AWARNESS CLASSES

ANO and ex cadets have conducted a online webinar classes and awareness classes to the cadets through online platform (Google meet) .The ex cadets shared there experience and conducted classes on B and C certificate exam for 7 day . 160 cadets had participated in various classes.

ATC CAMP



The ATC camp was conducted in our college. The coordinator of camp was Lt Dr sidhu kumar It was a camp of 5 day . The cadets from Attingal college also participated in this 5 day camp.

GOLDEN ACHIVEMENTS

- **EBSB GUJARATH(online camp)**

SUO ABHIRAMI A



Dept of Zoology

EBSB MADHYA PRADESH(online camp)



UO RAGI G RAJ, Dept of Physics

Additional Skill Acquisition Programme (ASAP)-2019-20 & 2020-21

ASAP an acronym for Additional Skill Acquisition Programme is a joint venture of General education and Higher education department. The programme is meant to equip the young population of the state with skills in the cutting edge sectors in order to alleviate the unemployment problem in the state.

ASAP classes are meant for plus one students in schools and first year degree students in colleges. The ASAP programme is a combination of three courses, namely communication skills in English, Basic IT and an elective domain specific skill course. The ASAP foundation module is of 180 hours duration which includes 100 hours of communication skills in English and 80 hours of basic IT .The time span of Skill courses differ from one course to another. The programme are developed, delivered, assessed and certified with active participation of the related industries to ensure labour market acceptance of the programme. The skill courses are also provided with an effective internship for practical knowledge.

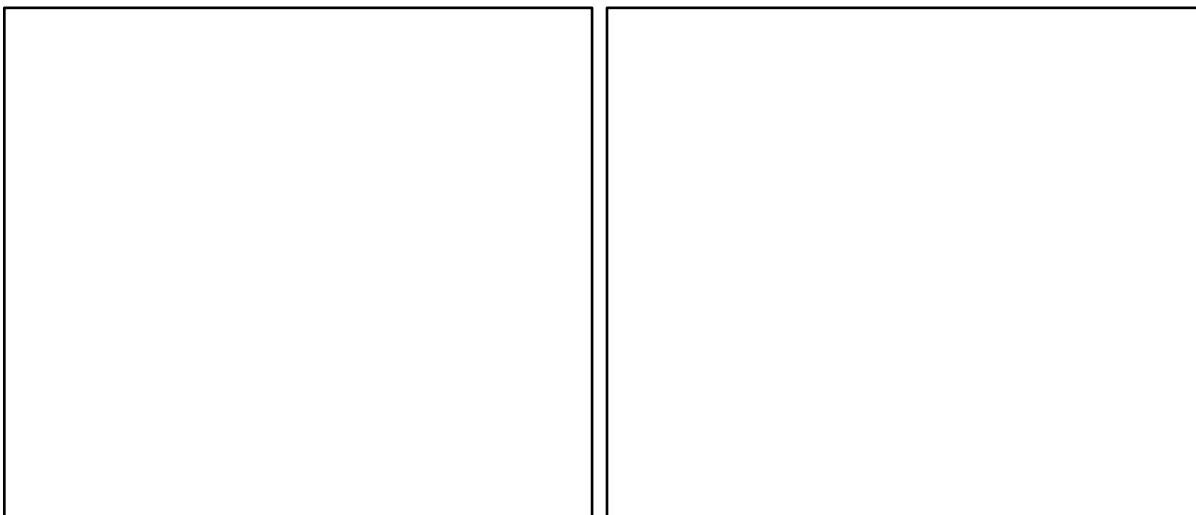
The foundation module classes are conducted in the respective institutions and skill classes are conducted in the respective skill development centres (SDC).The foundation classes are conducted by specially trained people called Skill Development Executives.

SKILL COURSE

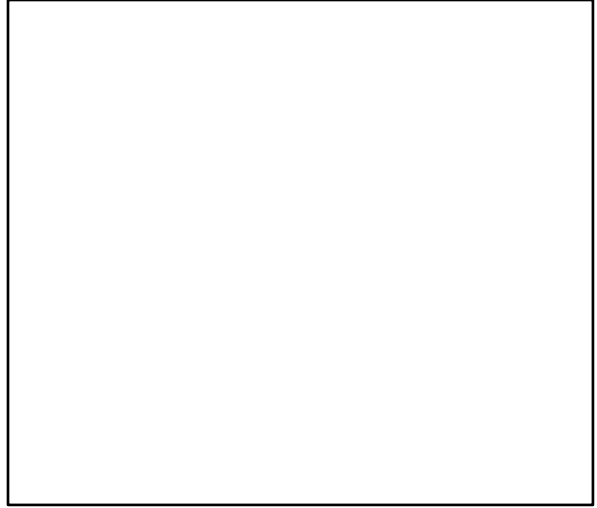
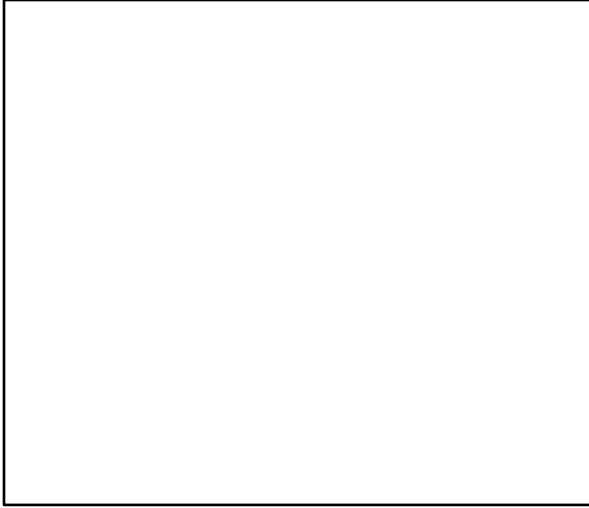
From this batch onwards, the skill element in ASAP is removed from the course structure. So, there is no skill course. ASAP continues with its Foundation modules.

INAUGURATION OF NEW BATCH

The current running batch (2019-20) started in the presence of our principal Prof. Joly.A, IQAC coordinator Smt. Babitha, Coordinator Ms. Jubilie S.V and S.D.E Abhinav.V. The principal inaugurated the function and asked the students to use the 180 hours of this course to attain effective communicative and life skills. Later Dr. Babitha, Ms. Jubilie S.V and Sri Abhinav shared their experience and tried to motivate the students. The function ended with a vote of thanks ceremony. Then it was followed by the Introduction and icebreaking session of the batch by S.D.C Abhinav.V . The class started off by lighting the lamp of life.



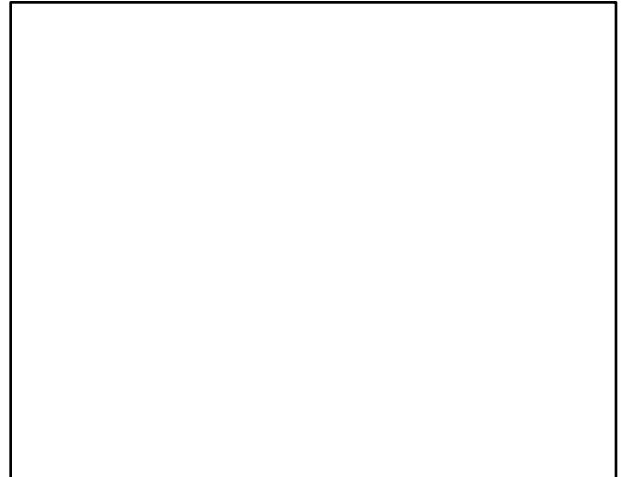
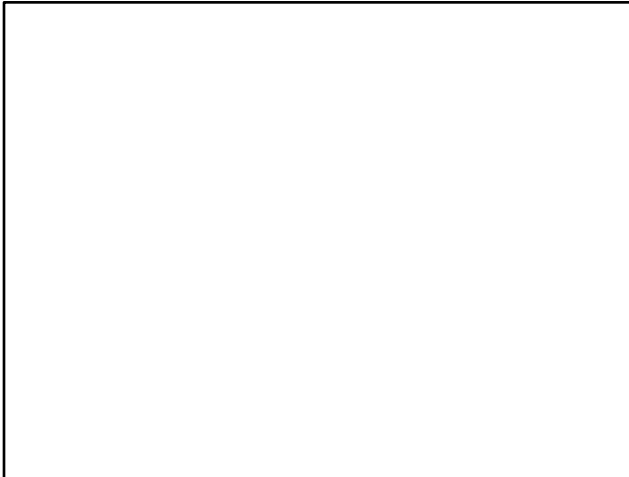
Ms. Shari. J, P M addressing new batch on 10/01/2020 Ms.Jubilie, Coordinator addressing the batch on 10/01/2020



SDE Abhinav addressing the batch 10/01/2020

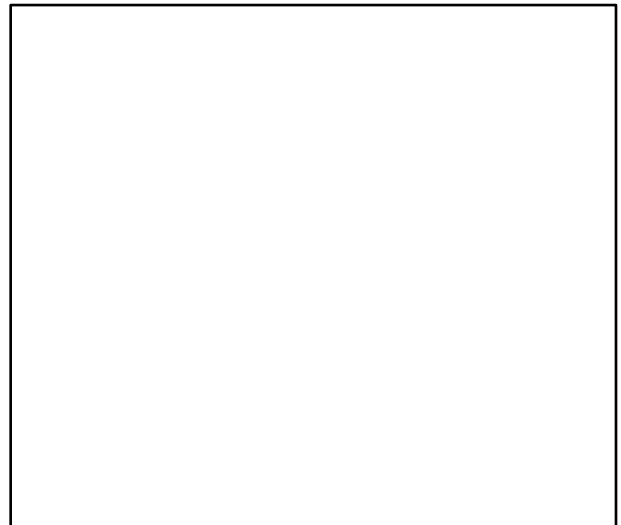
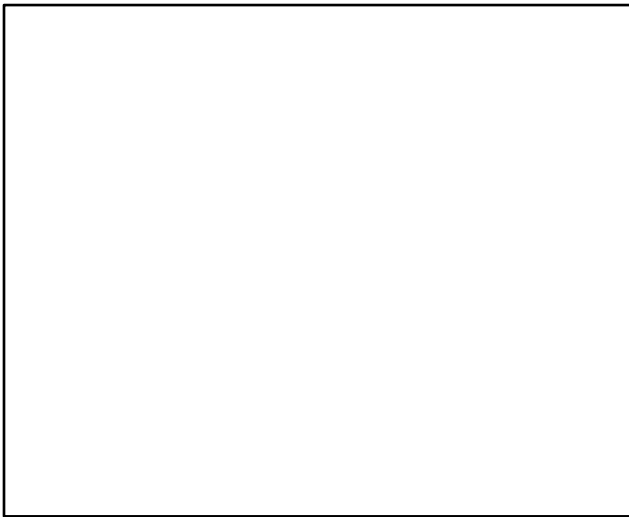
New batch students on 10/01/2020

The total no. of students in the current batch is 33, all girls with 25 students by BPL category and 8 students from APL category.



New batch starting day on 10/01/2020

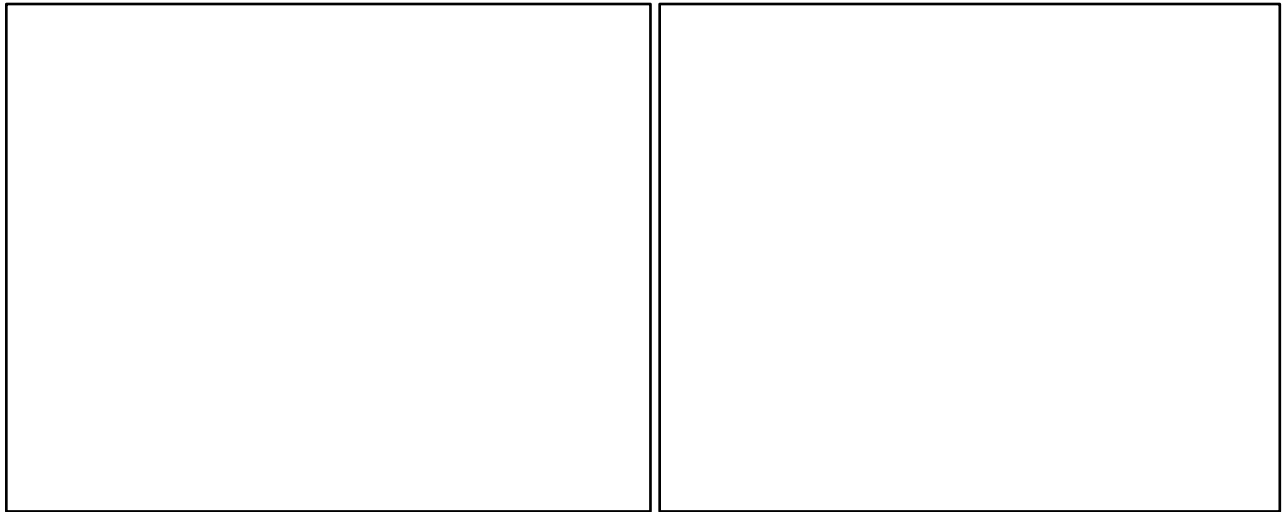
New batch starting day on 10/01/2020



New batch starting day on 10/01/2020New batch starting day on 10/01/2020

BIRTH ANNIVERSARY CELEBRATION OF NETAJI SUBHASH CHANDRA BOSE

ASAP students of the batch celebrate the birth anniversary of the famous freedom fighter NetajiSubhash Chandra Bose with a grand chart exhibition. Students took the effort by doing 66 charts (2 each) and it was exhibited in the college. Our principal Prof. Joly.A inaugurated the programme by opening a mini magazine about Netaji speech made by the student Jisha was well appreciated by the principal and teachers from various departments came to see the exhibition. Principal selected 2 best charts and they received a gift. Lekshmi and Maneesha were the students who received the gift.



Principal inaugurating the event on 23/01/2020 Poster exhibition on 23/01/2020

ASAP DRESS CODE

ASAP team members under the supervision of coordinator Smt. Jubilie and S.D.E Abhinav .V discussed about having a unique dress code for the ASAP students in special functions of the college. Every student agreed on the ideas and a dress was designed for the students on February 5, 2020 our new principal Dr. Preetha introduced the newly designed dress and gave to the students. Also a group photo was taken with the principal on that day.



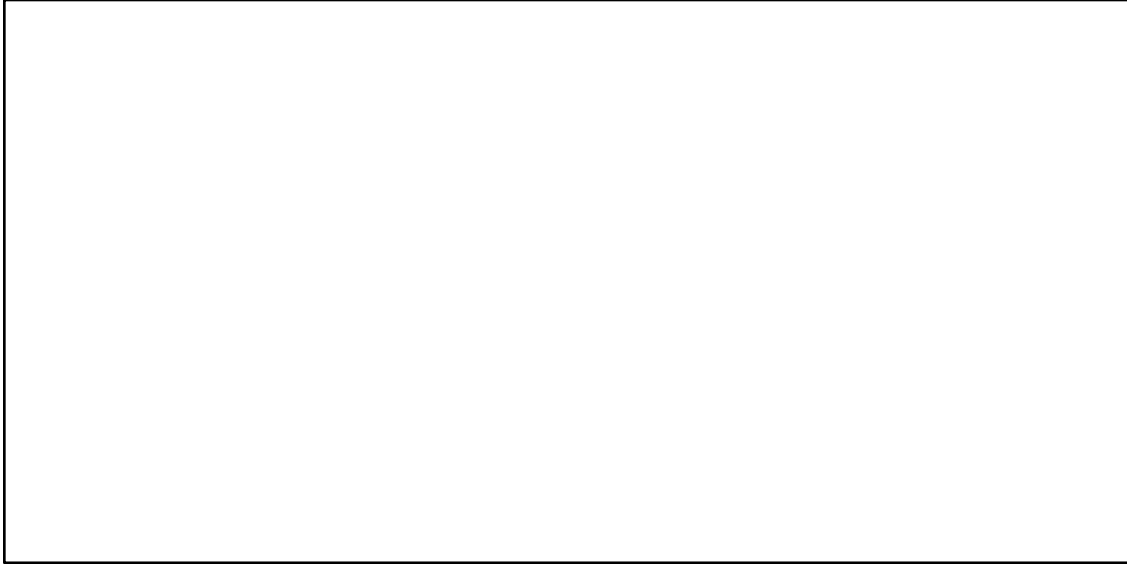
Dr. K C Preetha, principal inaugurating the dress code on 2/05/2020



Asapians in their new uniform on 2/05/2020

A New Facebook Page for ASAP

Facebook is the biggest social media network and if you want people to know all the good activities you are doing it is expected that you also have a facebook presence. So the ASAP unit of S.N college Varkala on Feb 8, 2020 a facebook page where all the activities of the unit will be published. Name of the facebook page is “ASAP SN College Varkala”. The FB page is getting very good support from the public.



New facebook page for ASAP inaugurated on 2/08/2020

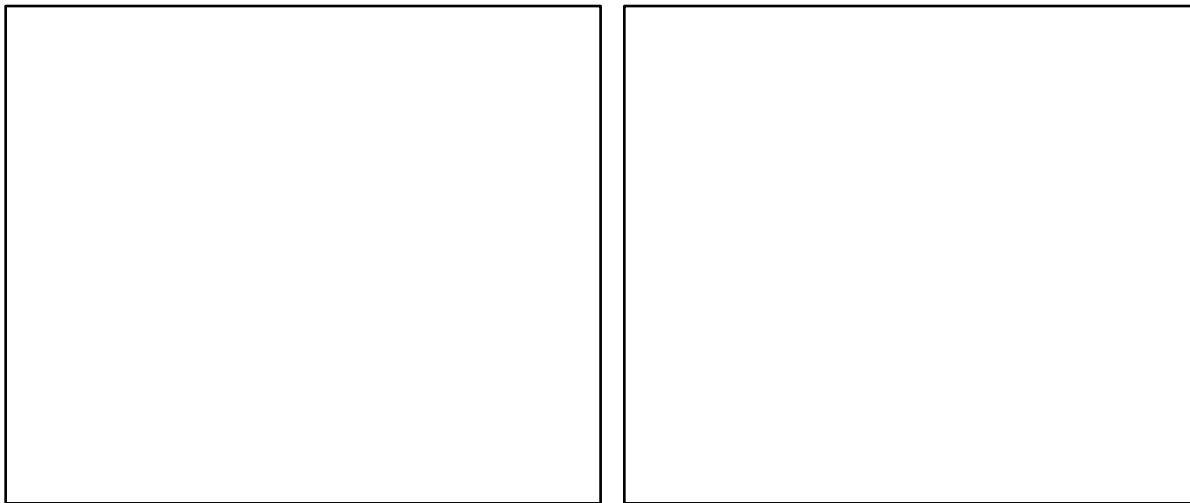
MAGAZINE RELEASE

The ASAP team on Feb. 12, 2020 released a hand written magazine name “Symphony”. The magazine was released by our principal Dr. K C Preetha in the presence of coordinator Ms. Jubilie S.V and S.D.E Abhinav.V .The magazine is made with all the creative works of the students. The student’s editor shared her experience of ASAP classes and how she managed to complete the magazine. The principal congratulated the students for their hard work and dedication that they showed in preparing the magazine for ASAP in such a short time after the commencement of the ASAP course.

Magazine inauguration by Principal Dr. K C Preetha on 12/02/2020

WORLD ENVIRONMENT DAY

Even though it is the Natural lockdown time due to the corona outbreak in the nation, an awareness class on the importance of conserving our environment was conducted on June 4 using Google meet participating ASAP coordinator Smt. Jubilie S.V, S.D.E Abhinav.V and ASAP students of SN college Varkala. The students were very excited to know that we are observing world environment day even though we are locked at home in national lockdown. Coordinator Jubilie S.V and SDE Abhinav .V conveyed the importance of observing environment day to the students and asked to plant a tree in their own home. As a part of this programme 32 trees were planted by the team ASAP of S.N College Varkala and a photo was shared to our class WhatsApp group. Using that photos a video was prepared and posted on ASAP S.N college Varkala's Facebook official page.



Planting trees as part of world environment day on 4/06/2020



Planting trees as part of world environment day on 4/06/2020

WORLD YOUTH SKILL DAY CELEBRATION, JULY, 2020

As part of the world Youth skill day celebrations, ASAP unit of S.N College Varkala organized a webinar on 15/07/2020 on the topic “mental health and life skills”. The inaugural speech was delivered by our respected principal Dr. K.C Preetha and the invited guest was Mr. Sreenesh.S.Anil, (programme coordinator, Department of psychiatric social work, NIMHANS Banglor). The program was compared by ASAP students Akshaya and Gouri. The program started by a prayer by ASAP students followed by the welcome speech by ASAP Co-Ordinator Smt. Jubilie .S.V. The invited person delivered a awesome session which are really informative. The second programme associated with this was the demonstration of the skill of making a mask by another ASAP students Ms. Jisha. She demonstrated the skill and explained it simply to the viewers. Mr. Abhinav V, the skill development executive of S NCollege gave the vote of thanks. The participant count was nearly 100 members including current and former batches ASAP students of S.N. College, Non-ASAP students from different departments of the college, teachers of S.N. College and teachers and students of different colleges of Kerala University. Overall the progamme conducted in the Google meet platform was a grand success.



**SREE NARAYANA COLLEGE,
SIVAGIRI**
ASAP UNIT, SNC, VARKALA



Celebrating

WORLD YOUTH SKILL DAY, 2020

'EXPLORING POTENTIALS'

*Webinar on Mental Health and Life Skills

*Resource Person : Mr. Sreenesh S Anil
Programme Coordinator
Department of Psychiatric Social Work,
NIMHANS, Bangalore*

*Skill Awareness on Preparing Masks

*Demonstration by : Ms. Jisha
Member, ASAP, SNC UNIT, VARKALA*

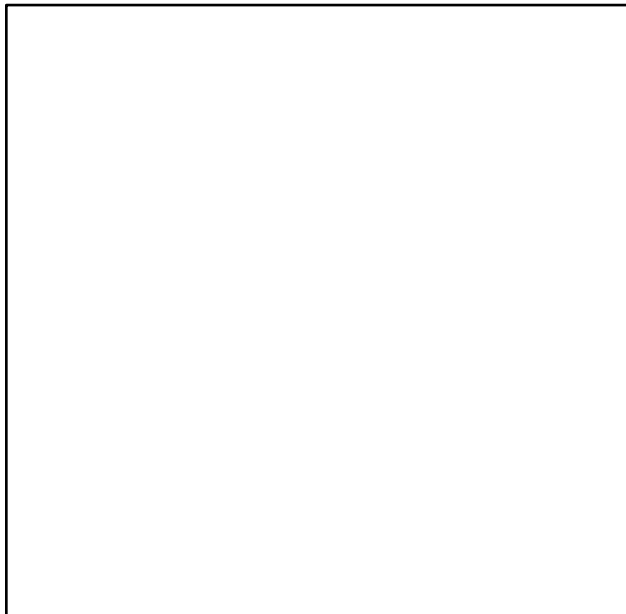
*Inauguration : Dr. K C Preetha
Principal, Sree Narayana College, Sivagiri*

*Platform : Google Meet *Date and Time : 15/07/2020,
Wednesday, at 3 P M

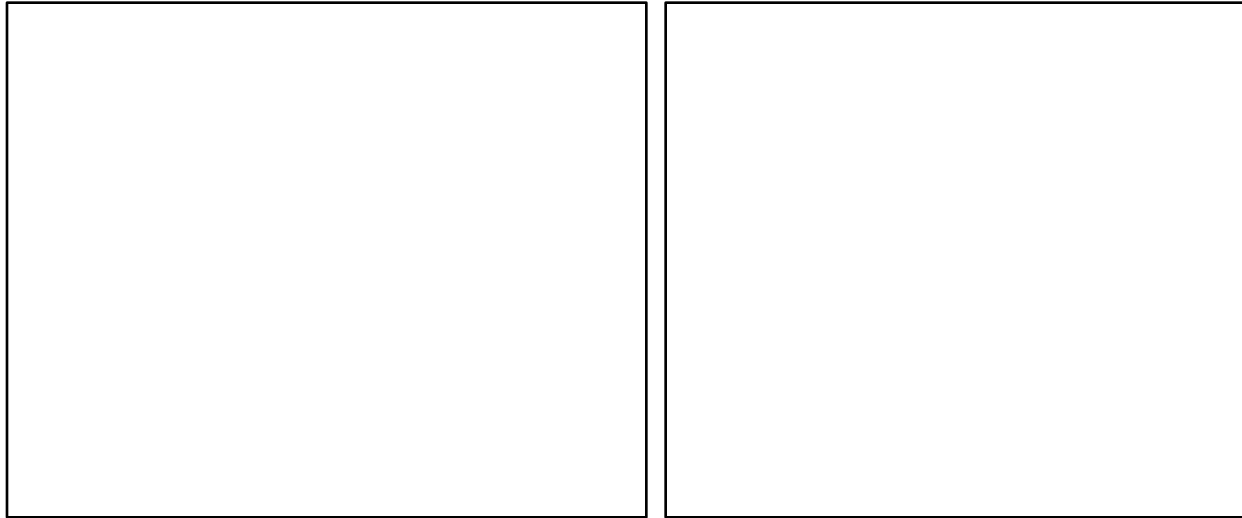
You are cordially invited

*Ms. Jubilee S V
Co-ordinator*

*Dr. K C Preetha
Principal*



Welcome speech by the co ordinator on 15/07/2020 Inauguration by principal on 15/07/2020



Webinar on mental health and life skills on 15/07/2020 Sri.Srineesh, Resourse person taking session on 15/07/2020

Continuing Activities through online platforms

Even though there wasn't any class after march 8, the coordinator Smt. Jubilie S.V and SDE Abhinav.V continues interactions with ASAP students on special days through online platforms like Google meet and WhatsApp. All of the students are eager to start the ASAP sessions after the unlock session.

Alumni Association

The Alumni Association of our college is known by the name FSA (Former Students Association). Dr.Preetha K.C. (Principal) officiates as the President of FSA and Sri. K.M.Laji is its General Secretary. The annual meeting of FSA is conducted on the second Saturday of August. The toppers of each department are given a cash prize by the FSA every year. The mid-day meal of our college is also an initiative of FSA.

College Office

Sl.No.	Name	Designation
1	Sri. Anil Kumar S.	Senior Superintendent
2	Smt.Jayanthi P.	Head Accountant
3	Sri.P.Prasanth	UDC
4	Sri. T.Ajayan	UDC
5	Sri.K.Deepa	UDC
6	Sri. S L Dinu	LDC
7	Sri. N Pramod	LD Store Keeper
8	Sri. V Manikandaprasad	LDC
9	Sri. Jinu K.S.	LDC
10	Sri. K S Pemjith	LDC
11	Smt. G.Gopika kumari	Lab Assistant
12	Sri. V. Jeothibas	Lab Assistant
13	Sri.Hareesh P L	Office Attendant
14	Sri. S. Deepa	Office Attendant
15	Sri.Milan K.	Office Attendant
16	Sri.Akash B	Office Attendant
17	Sri.Anandu Ajay	Office Attendant

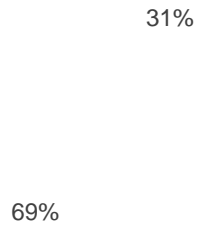
Annual Reports of Departments

POSTGRADUATE DEPARTMENT OF PHYSICS

College officially reopened after summer vacation on 01.06.2020 amidst Covid19 Pandemic. The department offered online classes for the students, as instructed by the Department of Higher Education, Kerala. As the current year being NAAC assessment year, all the members of faculty were also engaged in SSR preparation. We conducted several student centric Programmes, PTA meetings during this academic year. The college closed for Onam vacation on 27.08.2020 and reopened on 07.09.2020. The four Departments of our college: Botany, Chemistry, Physics, Zoology - were selected for DBT STAR supported scheme. We have organized 11 Programmes under this scheme. Our Department got an opportunity to offer a skill based certificate course, Computer Hardware and Networking Maintenance, under National Skills Qualifications Framework, UGC. The college closed for Christmas vacation on 18.12.2020 and reopened on 28.12.2020. Our college had successfully submitted SSR on 01.02.2021. The college closed for summer vacation on 31.03.2021.

Students Profile 2020-21

Gender Ratio



STUDENTS' DIVERSITY

O
R

Gen
eral

The academic and co-curricular achievements of students



Anas S(MSc2017-19)

CSIR UGC NETKL17601338



Midhun M L (MSc 2018-20)

CSIR UGC NETKL17600442



Gowri R S, MSc Physicstopper2020



Aparna A K QualifiedGATE 2021

BSc

Physics

topper2020

Name	Class	Achievements
Devika. S	III DC	Qualified JAM EXAM 2021
RagiGRaj	III DC	Participated EBSB 2021
Bhagya Suresh	III DC	III Place in APT TSE 2020
PournamiSajith	II DC	Qualified preliminary exam NAEST 2020
Akhil V	II DC	1. Event coordinator, MY SANTA, KITES Foundation, project coordinator VIBGYOR PROJECT & Volunteer Hello Munnar APP, Code4Munnar, selected for CM@campus programme: college level 2. Second Place Power Quiz-college level
Athul S S	I DC	Junior Boys HandBall selection, Kerala HandBall Association
M Nasrin	I DC	Participated APT TSE 2020

Achievements of Teachers

Sl no:	Name of Teacher	Achievements
1.	Dr. Aranya S	<ol style="list-style-type: none">1. H.O.D, College Purchase committee coordinator, Member of IQAC, SSR Drafting committee, Science club, council member, RUSA, Discipline Committee, Research essence journal2. Research Guideship at the Research Department of Physics, Mar Ivanios College, Thiruvananthapuram.3. Member, PG Board of Studies, Physics, University of Kerala4. Second PGT Tutor5. Coordinator of webinar on industry oriented hardware course basics and system components, DBT Supported programme, 05.12.2020

		<p>6. Participated in</p> <p>1. 5-day Faculty Development Programme (FDP) on Online Education in Higher Education Institutions, Faculty Development Centre of the Kerala State Higher Education Council (KSHEC), Thiruvananthapuram-13.07.2020 to 17.07.2020</p> <p>2. International Webinar on Supercapacitors, Department of Physics, Christ College, Irinjalakuda, Kerala-03.08.2020</p> <p>3. National webinar on Quantitative Analysis of Research Productivity-Role of Journal Indexing and Scientometrics, 08.08.2020, Central Library & IQAC, S.N College, Varkala</p> <p>4. National webinar on Next Generation in Astrotechnology, Rajagiri School of Engineering & Technology, Kerala, India-12.08.2020</p> <p>5. Webinar on Twenty Five Year of Exoplanets: A Brief History, Department of Physics, Christ College, Irinjalakuda, Kerala-13.08.2020</p> <p>6. Faculty Development Programme from 2020-08-17 to 2020-08-21 on LaTeX organized by Mar Thoma College, Tiruvalla with</p>
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		<p>course material provided by Spoken Tutorial Project, IIT Bombay</p> <p>7. Webinar on “Solar Astronomy with forthcoming ADITYA L1 mission” Mysore Astronomical Society, 23.08.2020</p> <p>8. Webinar on Talk on Basics of Amateur Astronomy and Stargazing Mysore Astronomical Society in association with Gravity Science Foundation (Affiliated to VIPNET, Vigyan Prasar: VP-KA0049)-12.09.2020</p>
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		9.NationalwebinaronOverviewofIntellectualPropertyrights, IQAC,S.NCollegeVarkala-09.10.2020
2	SajeshSasi dharan	<p>1. (i) Clubscoordinator</p> <p>(ii) Member-IQAC</p> <p>(iii) Member-SSRDraftingCommittee</p> <p>(iv) Member- ScienceClub</p> <p>(v) Member- PurchaseCommittee</p> <p>(vi) Member- CooperativeSociety</p> <p>(vii) Member-OfficeManagement&Coordination</p> <p>(i) Coordinator-WebinarSeries(Lecture2)-10.09.2020-" EnergyGenerationandStoragebyFibres"-Resource Person- Prof.Rajan Jose(Faculty of Industrial Sciences andTechnology,UniversitiofMalaysia,Pahang)</p> <p>(ii) Coordinator-WebinarSeries(Lecture3)-11.09.2020-" Nanometrology for wide-bandgap Semiconductors"- ResourcePerson-Dr.NareshKumarGunasekar(Senior Researchassociate,Dept.ofPhysics,Universityof Strathclyde,JohnAndersinbuilding,Glasgow,U.K)</p> <p>(iii) Coordinator- DBT Lectures- 16.02.2021- "Why Science"- Resource Person- Dr.R.Raveendran(EmeritusProfessor-UGC)</p> <p>(iv) Coordinator- DBT Lectures- 17.02.2021-"Elementsof</p>

		Statistical	Mechanics"-	Resource	Person-
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		<p>Dr.V.Manikandan Nair(Principal(rtd), Govt. College, Attingal)</p> <p>Participations:</p> <p>(i) Refresher Course: 09.10.2020 to 22.10.2020- " Curriculum Design, Development and Evaluation", MHRD-Teaching Learning Centre, University of Calicut.</p> <p>(ii) Short-term- FDP: 18.07.2020 to 24.07.2020- “Implementation of Information and Communication Technology in Teaching”, School of Legal Studies, Cochin University of Science and Technology in collaboration with The Kerala State Higher Education Council</p> <p>(iii) FDP: 17.08.2020 to 21.08.2020-“Latex Document Preparation System”-Marthoma College Thiruvallur in association with Spoken Tutorial, IIT, Bombay</p> <p>(iv) FDP: 01.12.2020 to 05.12.2020- "Hands-on training on Learning Management System (Moodle) and Course Design, FDP centre, Kerala State Higher Education Council (KSHEC).</p> <p>Publications</p> <p>Sajesh Sasidharan, " Solution combustion synthesis and luminescence dynamics of $\text{CaTiO}_3:\text{Eu}^{3+}, \text{Y}^{3+}$ nanophosphors", Journal of Luminescence, 09.03.2021</p>
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2.	Veenas C L	1. Programme Officer, National Service Scheme 2. Member, Sree Narayana Study Centre, Hostel Committee
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		<p>3. Participated the two day online workshop on ‘Creation of Instructional videos and Recording’ on 13th and 14th May 2020 organized by Internal Quality Assurance Cell, NSS College, Pandalam</p> <p>4. Actively participated and completed One Week online Short term Faculty Development Programme on “Implementation of Information and Communication Technology in Teaching” organised by School of Legal Studies, Cochin University of Science and Technology in collaboration with The Kerala State Higher Education Council from July 18- 24, 2020</p> <p>5. Co-ordinator of One week Online Short Term Faculty Development Programme on ‘pedagogical and E-learning Tools for Teaching’ - Organized by Sanatana Darma College, Alappuzha in collaboration with The Kerala State Higher Education Council from 4th-10th August 2020</p> <p>6. Actively participated and completed the Online Refresher Course (Multidisciplinary) in the ‘Techno-Pedagogy Tools Towards Digital Era of Teaching’ - organized conducted by Sanatana Darma College, Alappuzha in collaboration with UGC- HRDC, University of Kerala from 28/09/2020 to 11/10/2020.</p>
3.	Jyothish B	<p>1. Co-ordinator of SSP</p> <p>2. Co-ordinator of Official College Website</p>

		<p>3. Member of Substance Abuse Prevention Forum, Sports Club, Admission Committee, UG & PG</p> <p>4. Third BSc Tutor</p> <p>5. Paper publications/presentations</p> <p>1. B. Jyothish, John Jacob; Effect of Temperature on Structural, Morphological and Bio-Properties of Zinc Ferrite Nanoparticles, IJPSR, 2020; Vol. 11(12): 639-6401. (Impact Factor-1.21)</p> <p>2. B. Jyothish, John Jacob: Al-doped Zinc Ferrite: Preparation and Evaluation of Thermal, Structural, Morphological and Anti-cancer Properties, Journal of Alloys and Compounds, 863(2021) 158352 (Impact Factor – 4.65)</p> <p>3. Effect of CO^{2+} inclusion on Characterization, Exploration and Anti-Cancer properties of zinc ferrite nanoparticles synthesised by Co-precipitation method- Oral presentation- National seminar on Emerging trends in chemical science and engineering- organized by college of engineering Trivandrum (CET), 2021.</p> <p>3. Effect of Al doping in zinc ferrite nanoparticles and their structural, morphological and anti-cancer properties- Oral presentation- World nanocongress on advanced science and technology (WNCST 2021)</p>
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		Organized by Centre for nanotechnology research (CNR) Vellore Institute of technology (VIT), Vellore, India.
4.	Parvathi S Babu	<ol style="list-style-type: none"> 1. Obtained Ph.D. in Physics 2. Convenor of Science Club and EDUSAT, Member of Discipline Committee, Placement cell 3. Second Year Tutor 4. Participated in Online Faculty Induction Programme of UGC-HRDC, Kannur University from 03.09.2020 to 02.10.2020 5. Participated in refresher course, University of Kerala, 04-03-2020 to 17-03-2020 6. Coordinator of Two seminar supported by DBT STAR scheme

5.	Aiswarya Mol NS	<p>1. Co-ordinator for an Invited Talk “What do postulates of Quantum Mechanics tell us?” supported by Department of Bio-Technology, Govt. of India on 17.02.2021 at 10am in the Conference Hall. The resource person for the invited talk was Dr. Renjith.R, Assistant Professor of Physics, Central Polytechnic College, Vattiyoorkavu, Thiruvananthapuram.</p> <p>2. Successfully completed a 4-Week Induction/Orientation Programme for “Faculty in Universities/Colleges/Institutes of Higher Education” from February 11 - March 13, 2021 conducted by Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of Ministry of Education Pandit Madan Mohan Malaviya National Mission On Teachers And Teaching and obtained Grade A+.</p> <p>3. Joint Coordinator for Media Club Inauguration and Webinar on “Virtual Interaction and Adolescent Health: Risks and Rewards” organized by Media Club 2020-21 of SNC College, Sivagiri, Varkala on 14.11.2020 at 11am. Resource Person: Dr. Amar Fettle (State Nodal)</p>
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		<p>Officer, Adolescent Health, National Health Mission, Govt. of Kerala) .</p> <p>4. Convenor for Committee for PWD students, Member of Media Club, AISHE, Energy Conservation & Environmental Club.</p>
6.	Dr. Raji R	<ol style="list-style-type: none"> 1. NPTEL Course coordinator 2. First Year BSc tutor 3. APT-TSE Centre coordinator 4. Substance Abuse Prevention Cell co-ordinator 5. Literature Club –Member <ol style="list-style-type: none"> 1. Joined the Department of Physics on 28.09.2020 2. Participated in RAMAN OPTRONICS WEBINAR SERIES (ROWS-2020): Virtual International Conference held on 13th October 2020 organized by Department of Optoelectronics, University of Kerala on “Speckle Metrology and Applications” 3. Participated in RAMAN OPTRONICS WEBINAR SERIES (ROWS-2020): Virtual International Conference held on 20th October 2020 organized by Department of Optoelectronics, University of Kerala on “Recent Advancement in Photovoltaics”. 4. Participated in RAMAN OPTRONICS WEBINAR SERIES (ROWS-2020): Virtual International Conference held on 22th October 2020 organized by Department of Optoelectronics,

		<p>University of Kerala on” 3D Mechanical Bottom Up Nano-ManipulationandNano-AssemblingusingShapeMemoryAlloy Nanogripper for Nano-Optics, Nano-Photonics, Nano-Plasmonics :Applications”</p> <p>5. Reviewer“AIPConferenceProceedings”</p>
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ResourcePers

Organising Committee Patron:

Sri.VellapalliNatesan Dr K C
Preetha , Principal Dr. Babitha G S
(IQAC Co-ordinator) Dr Aranya
S,

(HOD, Physics)

SajeshSasidharan Ramesh
Chandran B R (Convenors)

Veenas C L Jyothish B
Parvathi S Babu Aiswarya
Mol N S

For queries, pleasecontact/join
7907916423, 9495601663

sncvphysics@gmail.com<https://chat.whatsapp.com/LrR9mwRpzE21wBMHzfKjPE>

Dr Anand B.

PuthirathPostdoctoral
Research Associate, Materials
Science &NanoEngineering RICE
University,USA

Lecture I

**“ 2D materials as
supercapacitor**

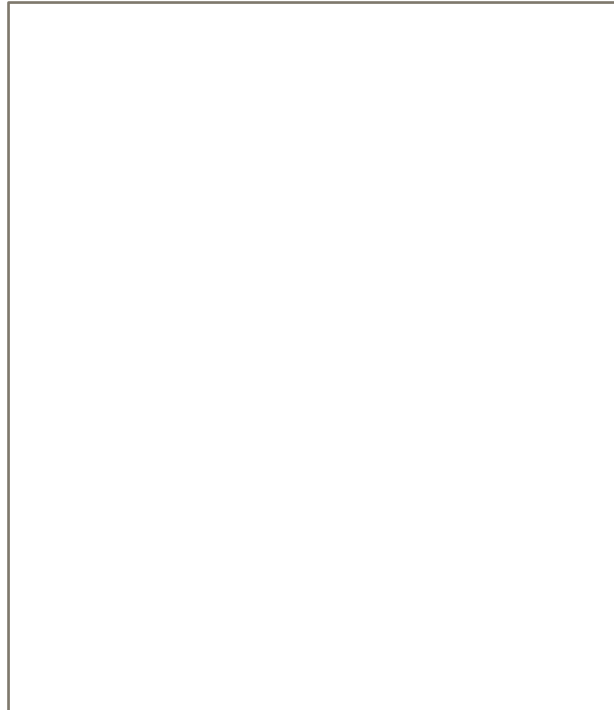
Platform: GoogleMeet

Registration isfree

Registration link:
[https://forms.gle/
CoCk8FuEJQBLkdMg9](https://forms.gle/CoCk8FuEJQBLkdMg9)

e- certificates will be provided to all
the participants after submission of

**SREE NARAYANA
COLLEGE**



**International Webinar Series
on Material Science**

**Organised by Post
Graduate Department of
Physics in association
with IQAC**

Dear Sir/Madam,

We have great pleasure to inform you that the Post Graduate

Department of Physics, S.N College, Sivagiri, Varkala, Kerala

is organising International Webinar

series on Material Science. The main objective of this webinar series

is to bring together the experts in

this field, research scholars, teachers

and students in a single platform to share their knowledge and ideas

Dr Aranya

Dr. K. C. Pree

S

tho

Sajesh Sasidhara

n Ramesh

Chandran R R

About Our College

Sree Narayana College, Sivagiri, Varkala was founded in

1964 in memory of the great social reformer Sree Narayana Guru, who believed in “*Liberation Through Education and Strength through Organisation*”.

The college, managed by the S.N Trusts, Kollam, is accredited by NAAC with B grade.

It is one of the leading institutions

About the Topic

Supercapacitors have attracted significant research interest attributable to their exceptional properties such as ultra high power densities, outstanding rate capabilities, and remarkable safety standards, making these devices a highly desirable contender for adoption as energy storage device to fill the gap between electrostatic capacitors and electrochemical batteries. Supercapacitors as high energy storage device with specified properties has a potential to contribute toward rapid growth of low power electronics, high power reliant military applications and other wider commercial applications

SREE NARAYANA COLLEGE, SIVAGIRI, VARKALA

Department of Physics

International Webinar Series:

Lecture 1: 07.08.2020; Lecture 2 :10.09.2020; Lecture 3:11.09.2020

Webinar Report

Sree Narayana College, Sivagiri, Varkala was founded in 1964 in memory of the great social reformer Sree Narayana Guru, who believed in “*Liberation Through Education and Strength through Organisation*”. The Post Graduate Department of Physics started functioning as a graduate department in 1967, three years after the inception of college in 1964 and the department was later upgraded to a Post Graduate Department in 1995. The International Webinar Series on Materials Science was jointly organized by the Post Graduate Department of Physics and IQAC, Sree Narayana College, Sivagiri, Varkala in association with Kerala State Higher Education Council. This was the first in the International Webinar series organised by our college on 07.08.2020. The purpose of organising this webinar series is to offer a common platform for discussing the recent developments in the field of Materials Science and to share their knowledge to enhance the capacity building. The upsurge of technology has revolutionized our lives and the outlook towards sustainable living, the ever increasing concern for maximising the output and minimising the waste has been a matter of discussion all over the world.

Lecture 1: 07.08.2020:

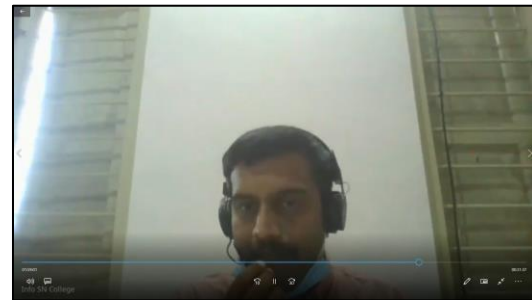
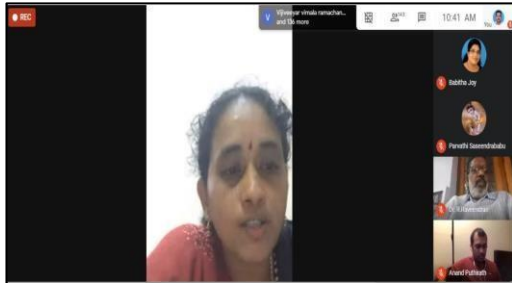
“2D materials as supercapacitor electrodes”

The session started with a silent prayer. Dr. Aranya S., Assistant Professor and HoD, Department of Physics, welcomed everyone to the seminar session. The inaugural address was delivered by Dr. K. C. Preetha, Principal. Dr. R Raveendran (UGC Emeritus Professor, Special Officer Sree Narayana Trusts and Former Principal of Sree Narayana College, Sivagiri, Varkala) Sri. Aji S.R.M (Sree Narayana Trust Executive Member), Dr. Joly A. (Former Principal-in-charge and HOD of Chemistry), Dr. Babitha G. S. (IQAC Coordinator) offered felicitations to the function. The scientists across the globe, teachers from various departments and the students of Department of Physics participated in the webinar.

Dr. Anand B. Puthirath (Post Doctoral Research Associate, Materials Science and Nano-Engineering, RICE University, USA) graced the occasion by his presence. The session comprised of a talk on “ 2D materials as supercapacitor electrodes” followed by a discussion on the topic. The session was very informative as the itinerary was very exciting. The presenter expressed his views on the subject and gave an insight into the matter. It was indeed a great presentation and it has certainly sparked some true debates on the topic. Sri. Ramesh Chandran B.R. proposed vote of thanks. The Moderator of the session was

Smt. Parvathi. S. Babu.



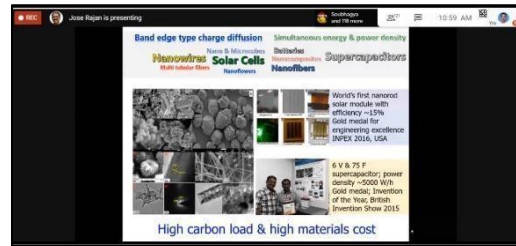
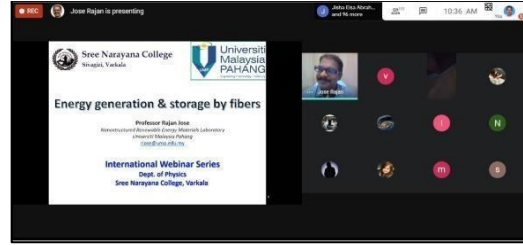


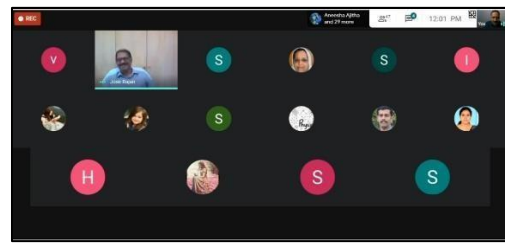
Lecture 2: 10.09.2020:

“ Energy Generation and Storage by Fibers”

The session started with a silent prayer. Dr. Aranya S., Assistant Professor and Head, Department of Physics, welcomed everyone to the seminar session. The session was graced by the presence of Dr. K. C. Preetha (Principal) Dr. R Raveendran (UGC Emeritus Professor, Special Officer Sree Narayana Trusts and Former Principal of Sree Narayana College, Sivagiri, Varkala) Sri. Aji S.R.M (Sree Narayana Trust Executive Member), Dr. Joly A. (Former Principal-in-charge and HOD of Chemistry), Dr. Babitha G.S. (IQAC Coordinator) and the scientists across the globe, teachers, research scholars and students from various departments participated in the webinar.

Prof. Rajan Jose (Faculty of Industrial Sciences and Technology, Universiti of Malaysia, Pahang) graced the occasion by his presence. The session comprised of a talk on “ Energy Generation and Storage by Fibers” followed by a discussion on the topic. The session was very informative as the itinerary was very exciting. The presenter expressed his views on the subject and gave an insight into the matter. It was indeed a great presentation and it has certainly sparked some true debates on the topic. Sri. Sajesh Sasidharan. proposed vote of thanks. The Moderator of the session was Smt. Veenas.C.L.





Lecture 3: 11.09.2020 :

“ Nanometrology for wide-bandgap Semiconductors”

The session started with a silent prayer. Sri. Sajesh Sasidharan, Assistant Professor, Department of Physics, welcomed everyone to the seminar session. The session was graced by the presence of Dr. K. C. Preetha (Principal) Dr. R Raveendran (UGC Emeritus Professor, Special Officer Sree Narayana Trusts and Former Principal of Sree Narayana College, Sivagiri, Varkala) Sri. Aji S.R.M (Sree Narayana Trust Executive Member), Dr. Joly A. (Former Principal-in-charge and HOD of Chemistry), Dr. Babitha G. S. (IQAC Coordinator) and the scientists across the globe, teachers research scholars and students from various departments participated in the webinar.

Dr. Naresh Kumar Gunasekar (Senior Research associate, Dept. of Physics, University of Strathclyde, John Andersin building, Glasgow, U.K) graced the occasion by his presence. The session comprised of a talk on “Nanometrology for wide-bandgap Semiconductors” followed by a discussion on the topic. The session was very informative as the itinerary was very exciting. The presenter expressed his views on the subject and gave an insight into the matter. It was indeed a great presentation and it has certainly sparked some true debates on the topic. Sri. Ramesh Chandran proposed vote of thanks. The Moderator of the session was Smt. Veenas.C.L.

REC | Naresh is presenting | 10:29 AM

Nanometrology for wide-bandgap semiconductors

Dr Naresh-Kumar Gunasekar
naresh.gunasekar@strath.ac.uk

September 11th 2020

REC | Naresh is presenting | 10:44 AM

Wide - bandgap semiconductors & power electronics

Market value of approx. 4 billion

The BICM estimates the direct current conduction losses. WBG without a stronger electric field, making it possible to produce applicable devices for a given voltage. Thinner devices can have lower resistance and thus higher efficiency.

Knowledge of band gap, energy levels is key to engineer novel electronic and optoelectronic devices

REC | BEPWA SURYA and 47 more | 10:32 AM

REC | Naresh is presenting | 10:37 AM

YUSUFA LAL and 50 more

Nanometrology for wide-bandgap semiconductors

Dr Naresh-Kumar Gunasekar
naresh.gunasekar@strath.ac.uk

September 11th 2020

People (7/7)

gresha k.c. 11:23 AM
Thank you Naresh sir and Mahesh sir

Mahe May 11:23 AM
WBG gives average crystallite size and TEM gives particle size. Can particle size be smaller than average crystallite size. If it is so what may be the reason

Acknowledgments

Research funded through EPSRC and ST grants

REC | Naresh is presenting | 11:23 AM

gresha k.c. | P | S | SREELAKSHMI | Aparna Varsha | SREELAKSHMI | Janya A.S.

People (7/7)

Mahe 11:27 AM
@Mahe May 11:27 AM

BEPWA SURYA and 47 more 11:27 AM
Thank you very much for this informative session Sir

gresha k.c. 11:23 AM
Thank you Sir

Akhil A.R. 11:23 AM
Thank you Sir

Dravada J.Nar 11:23 AM
Can you please email me the feedback link

Mahe Mahesh 11:23 AM
Thank you Sir

REC | Naresh is presenting | 11:23 AM

gresha k.c. | P | S | SREELAKSHMI | Aparna Varsha | SREELAKSHMI | Janya A.S.

“Orientation programme on

Industry oriented Computer Hardware Course”

DBT

STAR

supported programme



SREE NARAYANA COLLEGE

Sivagiri, Varkala, Kerala

(Affiliated to University of Kerala, Reaccredited by NAAC with B grade)



Department
of Biotechnology
Govt. of India

“Orientation programme on Industry oriented Computer Hardware Course”

05.12.2020 06.00 PM

Organized by

**Post Graduate Department of Physics
(DBT STAR Supported)**



Google Meet

<https://meet.google.com/znq-tytf-jak>

Resource person

**Sri. Vidhu D
ZEANET, Thiruvananthapuram**

Organizing Committee

Dr.K.C.Preetha(Principal)

Sri. Sajesh Sasidharan

Sri.Jyothish.B

Smt.Aiswaryamol.N.S

Smt.Parvathy .S.S

Dr. Aranya.S (HOD & Coordinator)

Smt.Veenas.C.L

Dr.Parvathi S Babu

Dr.Raji.R





WEBINAR ON INDUSTRY ORIENTED HARDWARE COURSE BASICS AND SYSTEM COMPONENTS

The Physics Department of Sree Narayana College, Sivagiri,
Varkala conducted a webinar on 05th December 2020 at 6.00pm.

The webinar was hosted in the presence of Chief Guest Vidhu D; ZEANET, HOD of Physics department Dr Aranya.S, Assistant Professor of Physics Department Dr. Parvathy.S.Babu and second year students of Physics Department. HOD welcomed the guest; Vidhu.D; ZEANET to present the Talk. The talk figured around the topic "Industry Oriented Hardware Course: Basics and System Components". There was an active participation of 18 students from the Physics department. The webinar provided an opportunity to enrich the knowledge about computers and its uses. The talk included information on PC, basic features of PC, invention and later sophistication in the field of PC. Being an electronic device how a computer is different from other electronic devices? When and how PCs were invented? and so many more questions were answered through the webinar. This attempt of Physics Department intended to improve the knowledge of computers among Physics Students and proved to be highly successful. All information from basic to complex

features of PC was described and was a new experience for all participants. Due to time limitation the talk ended about 8.00 pm and a questioning session was allotted for participants to clear their doubts and interact with the guest. The programme session ended with vote of thanks by Sreelekshmi.S.S from the Physics Department.

LIST OF PARTICIPANTS

Participants	Designation
Dr. Aranya S	Assistant Professor & HOD
Parvathi S. Babu	Assistant Professor
VIDHU D	Chief Guest
ANAMIKA ANILKUMAR	Second Year BSc Physics Student
Anjana Abhilash	Second Year BSc Physics Student
Arksha S Prakash	Second Year BSc Physics Student
ATHIRA M S	Second Year BSc Physics Student
Athira S S	Second Year BSc Physics Student
Devika Gopan	Second Year BSc Physics Student
Megha SD	Second Year BSc Physics Student
MIDHUNA SANTH	Second Year BSc Physics Student
Nandhana A.S	Second Year BSc Physics Student
PARTHASARATHI S	Second Year BSc Physics Student
Parvathy Vijayan	Second Year BSc Physics Student
Sabin B S	Second Year BSc Physics Student
Sabitha B S	Second Year BSc Physics Student
SreeLekshmi.S.B	Second Year BSc Physics Student

SreelekshmiSreyas

Second Year BSc Physics Student

Invited Talk-Why science?



Resource Person

Dr. R. Raveendran

Inneri Ms Rmfesscq DGC

Organizing Committee

Dr. K. C. Preetha (Principal)

Dr. Aranya. S (HOD)

Sri. Sajesh Sasidharan (Coordinator)

Smt. Veenas.

C. L. Sri Jyothih B

Dr. Parvathi S Babu

Smt. Aiswaryamo I. N. S

Dr. Raji. R

Smt. Parvathy. S. S

PROGRAMME REPORT

The Post Graduate Department of Physics, Sree Narayana College, Sivagiri, Varkala funded by DBT STAR Scheme conducted an orientation programme on "Why Science?" on 16.02.2021 at 10.00 am at conference hall. The programme was hosted in the presence of Dr. R. Raveendran (Emiretus Professor, UGC), Sri. Sajesh Sasidharan, Smt. Veenas. C.L, Dr. Parvathi. S. Babu, Dr. Raji. R, Sri. Jyothish. B (Assistant Professors, Dept. of Physics) and first year B.Sc Physics students. Dr. Raji. R welcomed the resource person Dr. R. Raveendran for presentation. He handled the session with his interacting method of communication skills on the topic Why Science?. His speech included importance of science in life, how to create scientific approach, different scientific institutions across country and way to succeed in life with the help of science learning. The talk ended at 12.00 afternoon and a doubt clearing session was allotted for participants to raise questions and to interact with guest. The programme ended with a formal vote of thanks from Ms. Nivya Vijayan.

List of Participants

Sl No	Name	Designation
1.	Sajesh Sasidharan	Assistant Professor
2.	Veenas. C.L	Assistant Professor
3.	Jyothish. B	Assistant Professor
4.	Dr. Parvathi. S. Babu	Assistant Professor
5.	Dr. Raji. R	Assistant Professor
6.	Princi. R. Sidhi	1 st Year BSc Physics Student
7.	Arya. S	1 st Year BSc Physics Student

8.	Abhima.S.R	1 st Year BSc Physics Student
9.	Kavya Kumar	1 st Year BSc Physics Student
10.	Kiran Subhash	1 st Year BSc Physics Student
11.	Akhil Vinayak MU	1 st Year BSc Physics Student
12.	ShijiShaj	1 st Year BSc Physics Student
13.	Sreeram H R	1 st Year BSc Physics Student
14.	Akhil Chandran	1 st Year BSc Physics Student
15.	Habin Mohamed	1 st Year BSc Physics Student
16.	M.Nasrin	1 st Year BSc Physics Student
17.	Gopika C H	1 st Year BSc Physics Student
18.	Akshara S S	1 st Year BSc Physics Student
19.	Varsha R Nair	1 st Year BSc Physics Student
20.	Gouri V S	1 st Year BSc Physics Student
21.	Gouri S T	1 st Year BSc Physics Student
22.	Meenu M S	1 st Year BSc Physics Student
23.	Harichandana S	1 st Year BSc Physics Student
24.	Greeshma S	1 st Year BSc Physics Student
25.	Abhirami.M	1 st Year BSc Physics Student
26.	Akhila A S	1 st Year BSc Physics Student
27.	Sreelekshmi B S	1 st Year BSc Physics Student
28.	Alfiya.K.S	1 st Year BSc Physics Student
29.	Neeraja Ajith	1 st Year BSc Physics Student
30.	Fahad Sikkandar	1 st Year BSc Physics Student
31.	Pradeesh P	1 st Year BSc Physics Student
32.	Unnikrishnan R J	1 st Year BSc Physics Student

33.	Arun Kumar S P	1 st Year BSc Physics Student
34.	Adwayith S	1 st Year BSc Physics Student
35.	Advaitha J S	1 st Year BSc Physics Student





THINGS TO ENHANCE YOUR PERSONALITY

- 1. Don't Compare You with Others
- 2. Invest your Energy in Positive Present Moment
- Don't waste Your Precious Energy in Goals
- Dream More when you are Awake

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Adms: 07-08 SNC 21

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Adms: 07-08 SNC 27

Adms: 07-08 SNC 28

Adms: 07-08 SNC 29



“ Elements of Statistical Mechanics ”-Invited Talk

Resource person



Dr. V. Manikandan Nair

Organizing Committee

Dr. K. C. Preetha (Principal)

Dr. Aranya. S (HOD)

Sri. Sajesh Sasidharan (Coordinator)

Smt. Veenas. C. L

Sri Jyothish. B

Dr. Parvathi S Babu

Smt. Aiswaryamo I. N. S

Dr. Raji. R

Smt. Parvathy. S. S

WEBINAR REPORT

The Post Graduate Department of Physics, Sree Narayana College, Sivagiri, Varkala funded by DBT STAR Scheme conducted a webinar on "Elements of Statistical Mechanics" on 17.02.2021 at 6.30pm. The webinar was hosted in the presence of Dr. Manikandan Nair (Principal-Rtd, Govt. College, Attingal), Sri. Sajesh Sasidharan, Dr. Raji.R, Sri. Jyothish.B (Assistant Professors, Dept. of Physics) and third year B.Sc Physics students. Sri. Sajesh Sasidharan welcomed the resource person Dr. Manikandan Nair for his presentation. He handled the session with his natural teaching skills in the topic statistical mechanics. His speech included basics of statistical mechanics, micro and macro states, ensemble, phase space, derivations of different statistical approaches. The talk ended at 8.15pm and a doubt clearing session was allotted for participants to raise questions and to interact with guest. The programme ended with a formal vote of thanks from Ms. Reshma.R. Subhash.

List of Participants

Sl No	Name	Designation
1.	Sajesh Sasidharan	Assistant Professor
2.	Jyothish.B	Assistant Professor
3.	Dr. Raji.R	Assistant Professor
4.	Dr. Manikandan Nair	Resource Person
5.	Ardra R Kurup	3rd year BSc Physics student
6.	Athira M Nair	3rd year BSc Physics student
7.	Bhagya Suresh.S	3rd year BSc Physics student
8.	Jayanarayanan J.P	3rd year BSc Physics student

9.	Lakshmi.R.Ganesh	3rdyearBScPhysicsstudent
10.	Lakshmi.S	3rdyearBScPhysicsstudent
11.	Lekshmi.S	3rdyearBScPhysicsstudent
12.	Roopa G. Nath	3rdyearBScPhysicsstudent
13.	Shamla As	3rdyearBScPhysicsstudent
14.	Siva Priya.B	3rdyearBScPhysicsstudent
15.	Sreelekha B S	3rdyearBScPhysicsstudent
16.	Adarsh.S	3rdyearBScPhysicsstudent
17.	Akhiladraavid	3rdyearBScPhysicsstudent
18.	Akshay B S	3rdyearBScPhysicsstudent
19.	Aparna. A	3rdyearBScPhysicsstudent
20.	ArisonaRetnakumar	3rdyearBScPhysicsstudent
21.	Arsha. S. S	3rdyearBScPhysicsstudent
22.	Gokul A	3rdyearBScPhysicsstudent
23.	Gouri SankarManikantan	3rdyearBScPhysicsstudent
24.	Jaseentha . C	3rdyearBScPhysicsstudent
25.	Milan B S	3rdyearBScPhysicsstudent
26.	NileeniDutt	3rdyearBScPhysicsstudent
27.	Reshma. R . Subhash	3rdyearBScPhysicsstudent
28.	Shijin S	3rdyearBScPhysicsstudent
29.	Silpa. S	3rdyearBScPhysicsstudent
30.	Sivakami.C.S	3rdyearBScPhysicsstudent


31.	Sujesh.S	3rdyearBScPhysicsstudent
32.	Ragi G.Raj	3rdyearBScPhysicsstudent
33.	SreehariAsok	3rdyearBScPhysicsstudent

V Manikantan Nair is presenting

RESHIMA SUBHA... and 24 more

18:35

You



V Manikantan Nair

DBT STAR SNCV PHYSICS

Turn on captions

V Manikantan Nair is presenting

V Manikantan Nair is presenting

Aparna AK and 26 more

18:39

You

Microsoft Whiteboard

STATISTICAL MECHANICS

MACROSCOPIC BEHAVIOURS

to Microscopic

Anjana S.R (outside S N College Varkala) has joined

DBT STAR SNCV PHYSICS

Turn on captions

V Manikantan Nair is presenting

V Manikantan Nair is presenting

Nasrin m physics and 25 more

19:08

Microsoft Whiteboard

Micro states & Macro states

Accessible microstates



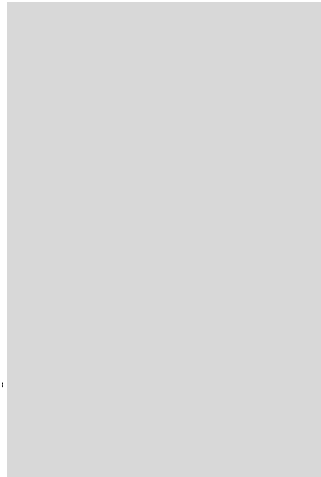
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DBT STAR SNCV PHYSICS

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V Manikantan Nair is presenting

CHAPTER 9



V Manikantan Nair is presenting

V Manikantan Nair and 13 more

20:00

Table 9.1 The Three Statistical Distribution Functions

	Maxwell-Boltzmann	Bose-Einstein	Fermi-Dirac
Applies to systems of	Identical, distinguishable particles	Identical, indistinguishable particles that do not obey exclusion principle	Identical, indistinguishable particles that obey exclusion principle
Category of particles	Classical	Bosons	Fermions
Properties of particles	Any spin, particles far enough apart so wave functions do not overlap	Spin 0, 1, 2, ... wave functions are symmetric to interchange of particle labels	Spin $\frac{1}{2}, \frac{3}{2}, \dots$ wave functions are antisymmetric to interchange of particle labels
Examples	Molecules of a gas	Photons in a cavity, photons in a solid, liquid helium at low temperatures	Free electrons in a metal, electrons in a star whose atoms have collapsed (white dwarf stars)
Distribution function (number of particles in each state of energy ϵ at the temperature T)	$f_{MB}(\epsilon) = A e^{-\epsilon/kT}$	$f_{BE}(\epsilon) = \frac{1}{e^{\epsilon/kT} - 1}$	$f_{FD}(\epsilon) = \frac{1}{e^{\epsilon/kT} + 1}$
Properties of distribution	No limit to number of particles per state	No limit to number of particles per state, more particles per state than f_{MB} at low energies, approaches f_{MB} at high energies	Never more than 1 particle per state, fewer particles per state than f_{MB} at low energies, approaches f_{MB} at high energies

DBT STAR SNCV PHYSICS

Turn on captions

V Manikantan Nair is presenting

Report of Invited Talk on

“What do postulates of Quantum Mechanics tell us?” DBT STAR supported programme



**SREE NARAYANA COLLEGE
SIVAGIRI, VARKALA, KERALA**

Affiliated to University of Kerala
NAAC Re-Accredited with B Grade
(DBT-STAR SCHEME SUPPORTED)

Invited Talk on
“What do postulates of Quantum Mechanics tell us ?”



Resource Person : Dr.Renjith .R
Assistant Professor of Physics
Central Polytechnic College, Vattiyookavu
Thiruvananthapuram

17/02/2021 Time:10 am
Venue:Conference Hall

Organised by
P.G. Department of Physics
S.N.College ,Sivagiri,Varkala

Supported by
Dept. of Biotechnology,
Govt. of India

Organizing Committee

Chairman : Dr.K.C.Preetha (Principal)	Dr. Aranya. S (H.O.D)
Smt. Aiswarya Mol. N.S. (Coordinator)	Dr.Parvathi S. Babu
Sri. Sajesh Sasidharan	Dr.Raji.R
Smt. Veenas .C.L.	Smt. Parvathi. S.S.
Sri. Jyothish B	





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MI DUAL CAMERA

Department of Physics, Sree Narayana College, ,Sivagiri, Varkala organized an Invited Talk supported by Department of Bio-Technology, Govt. of India on 17/02/2021 at 10 am in the Conference Hall. Aiswarya Mol N.S., the Co-ordinator for the programme welcomed the Resource Person for the Invited Talk. The resource person for the invited talk was Dr. Renjith.R, Assistant Professor of Physics, Central Polytechnic College, Vattiyoorkavu, Thiruvananthapuram. He gave an excellent talk on the topic “What do postulates of Quantum Mechanics tell us?”. He explained the topic in a simple way by touching the fundamentals of Classical Mechanics and Quantum Mechanics. He motivated the students by asking them to read a lot of books related to Physics . The talk was very beneficial for the Undergraduate Physics students as “Quantum Mechanics “ is a very important paper in their Undergraduate Course. Faculty members present in the programme were Smt. Veenas.C.L (Assistant Professor, Dept. of Physics), Sri. Jyothish .B. (Assistant Professor, Dept. of Physics), Aiswarya Mol.N.S (Assistant Professor, Dept. of Physics), Dr. Raji.R (Assistant Professor, Dept. of Physics) and Smt. Parvathi.S.S. (Guest Lecturer). Students from II BSc Physics and I BSc Physics participated in the Invited Talk. The programme was concluded by vote of thanks by I BSc Physics student Varsha.

.....

(DBT STAR Supported)
Resource person



“Supercapacitors as Overview”

Supercapacitors an Overview

DBT-STAR funded programme an invited talk on “Supercapacitors an Overview” was organized by the P G Department of Physics, Sree Narayana College, Sivagiri, Varkala on 24th February 2021 at 11.00 am. The session was hosted in the presence of invited guest, Dr.

R. B Rakhi, teachers of the department, Ms. Venas C L, Sri. Jyothish Babu, Dr. Parvathi. S. Babu and Dr. Raji R. Dr. Raji R, Assistant Professor, Department of Physics, welcomed everyone to the seminar. The invited chief guest Dr. R.B Rakhi, UGC-Assistant Professor, Ramanujan Fellow, Department of Physics University of Kerala, Thiruvananthapuram delivered an excellent talk on the topic Supercapacitors. She gave a deep insight into the most promising energy storage device supercapacitors, which may fill the gap between secondary batteries and traditional batteries. She started the class with need of energy storage devices in current scenario , that is increasing cost of fossil fuels, depletion of fossil fuels and rising carbon emission stimulated the demand of supercapacitor; a green revolution to save energy. Her talk includes the fundamental aspects of supercapacitors, their advantages and their application in portable electronics and electric vehicles. Her talk also included the latest research activities in the field of supercapacitors. There was an active participation of 38 students from the Department of Physics and Chemistry. Miss. Gangothri C J , II BSc Physics student proposed vote of thanks.

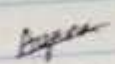
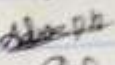



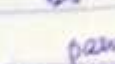
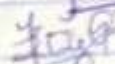





LIST OF PARTICIPANTS

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AN INVITED TALK ON " SUPERCAPACITORS AN OVERVIEW " [24-02-2021]

[DBT- STAR SUPPORTED]

Sl.No:	Name	Signature	class	Feed back
1	Aarathi B Chandran		1 st Physics	Informative
2	Nivya vijayam		1 st Physics	Good
3	Athira B Chandran		1 st Physics	Good
4)	Gayathri. S.H		1 st physics	Good
5)	Fathima Athas		1 st physics.	Good.
6)	Jeeva Najeb		1 st physics	Good
7)	Jordhu. CD		1 st physics	Good
8)	Menu Prakash		1 st Physics	Good.
9)	Aaksha.S.Prakash		II nd BSc Physic	
10)	Sree lekshmi.S.B		II BSc Physics	
11)	Thanuja.S		II BSc physics	Informative
12)	Sumayya.N		II BSc physics	Effective
13)	Athira.S.S		II BSc Physics	very useful and good presentation.
14)	Athira.M.S		II BSc Physics	effective and useful intrest
15)	Vismayalal.S		II BSc Chemistry	Informative & Good.
(16)	Gangathri.C.J		II BSc Physics	Much Informative ^{given}
(17)	Kartik Mohan		I st Msc. Chem	Good & informative
(18)	Arya Raj.A		I st Bsc.chem	Good Presentations
19)	Krishna.Paya.BB		I st BSc Chemistry	Good and very informative
20)	Dinya Usha D.S		I st BSc chem	Good
21)	Ganga.S.kumar		I BSc.chem	Informative
22)	Vandha.V.S		"	Good
23	Aswani.A.S		"	Good
24.	Swathy.c.		"	Good
25	Kavya.P.S		"	Good
26	Swathy.S.Nair		"	Good
27	Anupriya.A		"	Brief and nice

No	Name	Signature	class	Feed back
28	Ayana Shaji		nd chemistry	good
29	Adya P.B		nd chemistry	good
30	Manju mol		"	good
31	Akhila S.A		"	good
32	Vismaya Vijay		"	Good
33	Byjmathps		"	Good
34	Dr. PARVATHI S. BAO			Excellent
35	Jacemas M. G		End Box play	Good
36	Soubhagya M		"	Good
37	Anjana AR		"	Good
38	Vidya P. B		"	Good.
39	Dr. Raje. R		Faculty	Excellent talk.







DBT STAR COLLEGE SCHEME REPORT 2020-2021

Report:

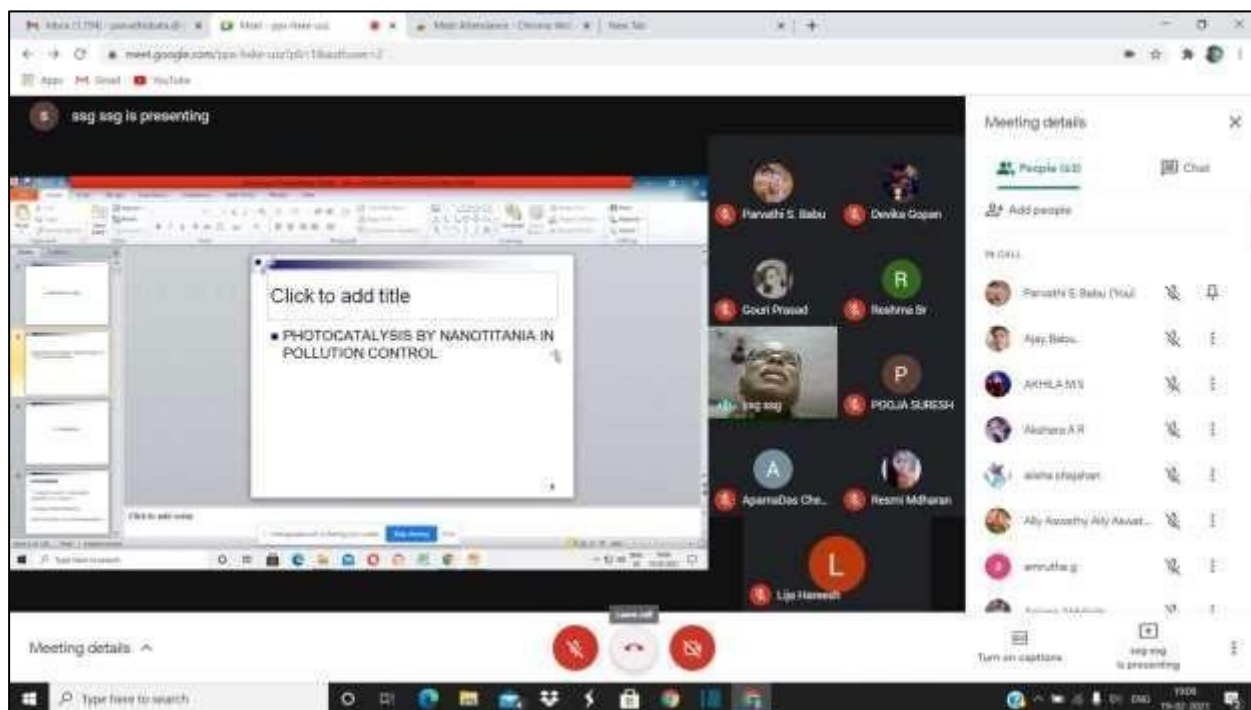
The Science Club and P.G. Department of Physics in association with DBT STAR College Scheme jointly organized the National Science Day – 2021 Celebrations. National Science Day is celebrated on February 28 each year in India commemorating Indian physicist

C.V Raman's discovery in 1928 of the Raman effect - the scattering of photons or light particles by matter. In this era of rapid development of science and technology, it is of prior importance to update and to maintain our scientific temper. Science has transformed our lives and outlook towards our sustainable living. Therefore, the Science Day celebration is immensely valuable in the present scenario. The main objectives of celebrating the National Science Day are to bring awareness to the public about the importance of scientific applications in their day to day life and to encourage them by popularizing science and technology. It allows the scientists from their fields and experts, to discuss the issues and new technologies trending in their fields. It also provides a platform to share their knowledge and ideas and to help students start a wonderful career in Science. The focal theme of National Science Day Celebrations 2021 is 'Future of STI: Impacts on Education, Skills and Work'.

A webinar on 'Photocatalysis by Nanotitania in Pollution Control' was conducted on 19th February 2021 at 07.00 p.m. jointly by the Science Club, Post graduate Department of Physics and the DBT STAR College Scheme as part of the National Science Day Celebrations 2021. Dr. Parvathi S. Babu (Co-ordinator of Science Club and Assistant Professor, Department of Physics) delivered the welcome address to the webinar session. The presidential address was delivered by Dr. K. C. Preetha, Principal. The webinar on 'Photocatalysis by Nanotitania in Pollution Control' was inaugurated by Dr. Sugunan S., Emeritus Professor, Department of Applied Chemistry, Cochin University of Science and Technology (CUSAT). Sri. Aji S.R.M, Sree Narayana Trust Executive Member, Dr. Joly A.,

Former Principal and HOD of Chemistry, Dr. Leji J. (Co-ordinator of DBT STAR College Scheme, Assistant Professor, Department of Zoology), Dr. Soju S., IQAC Coordinator, Smt Sini V., PTA Secretary offered felicitations to the function. The teachers from various departments, Dr. Leji J. (Co-ordinator of DBT STAR College Scheme.

Assistant Professor, Department of Zoology), Dr. Aranya S. (Assistant Professor, Department of Physics), Lija P. Lekshmanan (Assistant Professor, Department of Chemistry), SajeshSasidharan (Assistant Professor, Department of Physics), Neelima N. L. (Assistant Professor, Department of Mathematics), the members of the science club and the students of Department of Physics participated in the function. The students were actively involved in the webinar.



Invited Lecture by Dr. Sugunan S. on the topic

‘Photocatalysis by Nanotitania in Pollution Control’

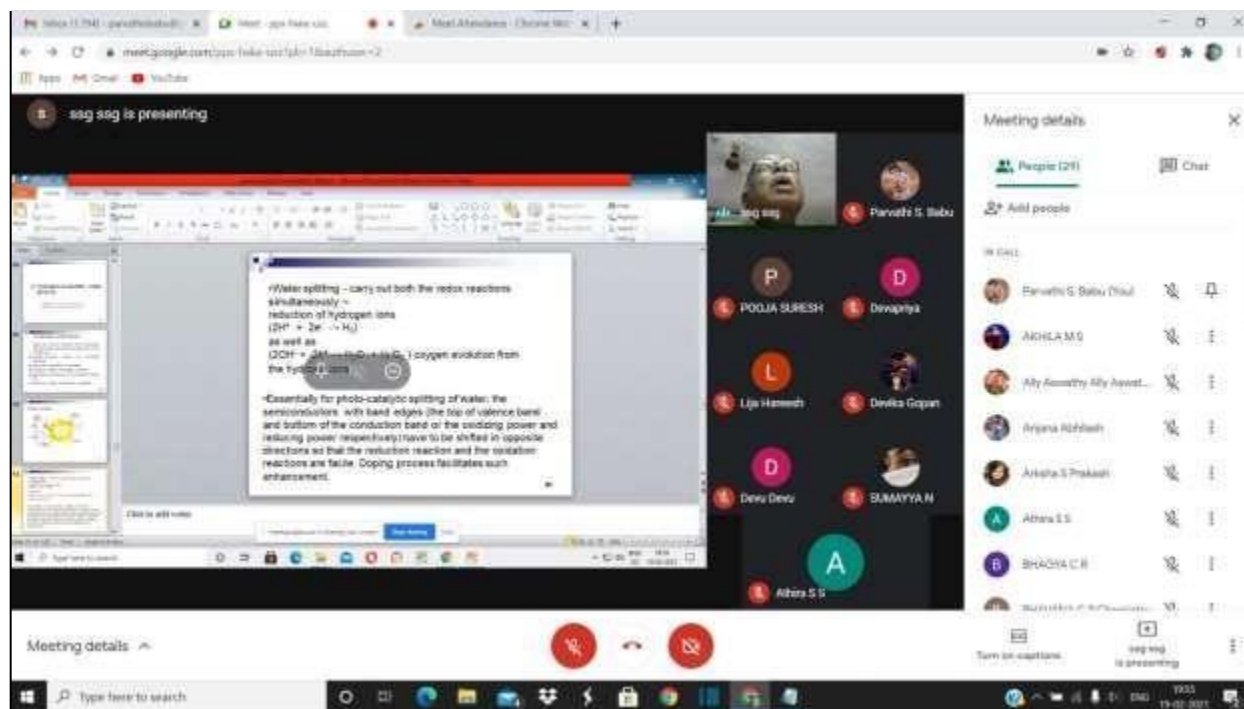
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A screenshot of a Zoom meeting. The main window displays a presentation slide titled "Why Anatase?". The slide content is as follows:

Anatase with a band gap (3.2 eV) is more photo catalytic than rutile (3.0 eV)

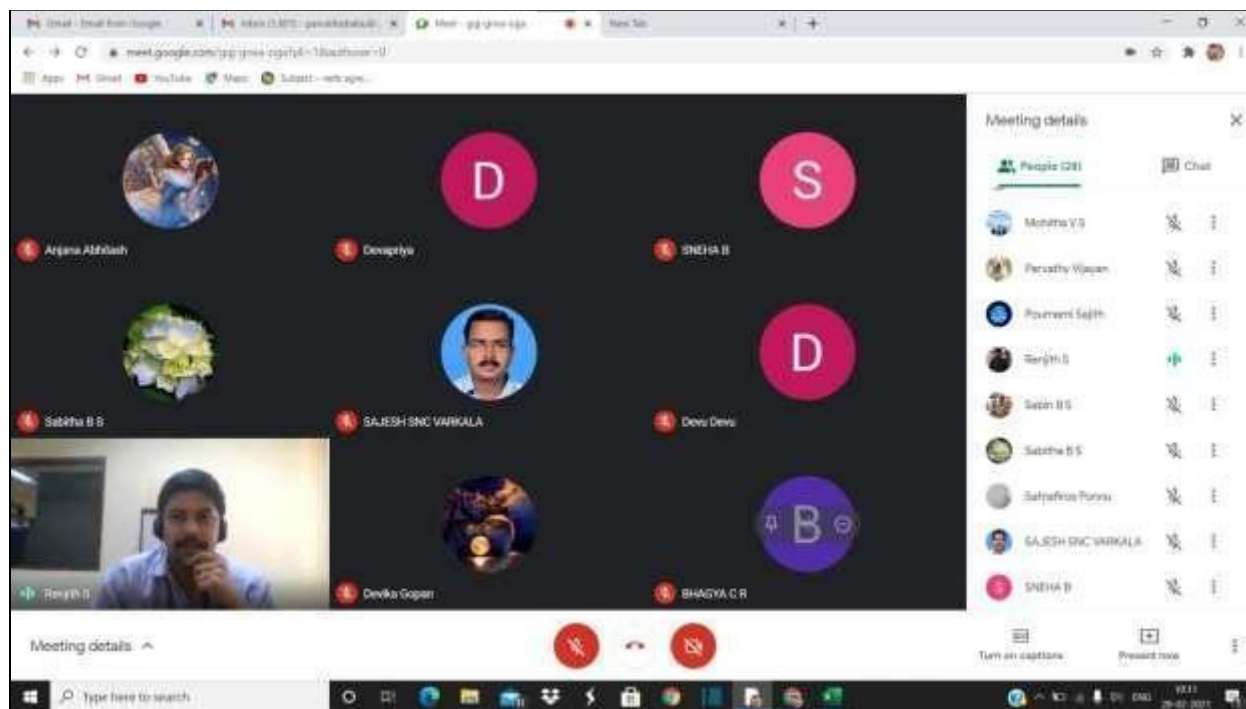
- The reduction (Conduction band) potential of anatase is more positive than that of rutile
- In addition, rutile showed harder agglomeration and larger particle size; than those of anatase since rutile is normally prepared by calcination of anatase at higher temperature.

The slide also includes a "Click to edit title" prompt and a "View details" link. The Zoom interface shows a grid of participant avatars on the right side, including "sag sag", "Parvathi S. Bobe", "Aparanar Dr. Jem...", "POOLA SURESH", "Govil Prasad", "Lija Harish", "Devika Gopin", "Anya Raj A", "KARTHEK MOH...", and "Athul Kallathel". The top left of the Zoom window indicates "sag sag is presenting".



The talk figured around the topic Photocatalysis and the role of Titanium Dioxide in Pollution Control. It was a highly informative and useful talk to the science stream students and also provided a deep insight about the properties of semiconductors, and mentined the relationship between the role of nano titania in polution control. The talk extended to a longer duration but the sudent were highlyy enthusiastic as the speaker was taking the students over an interstingjournry starting with the synthesis methods to the various characterisation methods used finally paving way for the applicstion of nanotitania. A interactive session was also allotted to the students where the students were given a chance to open up their minds and to ask the relavnat questions and to clear their doubts. The programme was concluded by the vote of thanks by Sreelekshmi S. S., II B.Sc Physics student and science club member. Undoubtedly the weminar proved to be verysuccessful.

A webinar on 'Science and Humanity' was conducted on 28th February 2021 at 10.00 a.m. jointly by the Science Club, Post graduate Department of Physics and the DBT STAR College Scheme as part of the National Science Day Celebrations 2021. Dr. Parvathi S. Babu (Co-ordinator of Science Club and Assistant Professor, Department of Physics) welcomed everyone to the webinar session. The presidential address was delivered by Dr. K. C. Preetha, Principal. The webinar on 'Science and Humanity' was inaugurated by Dr. Renjith S., Scientist B, Central Analytical Facility (CAF), DTQM, BMT Wing, SreeChitraTirunal Institute for Medical Sciences and Technology (SCTIMST), Sattlemond Palace, Poojappura, Thiruvananthapuram. Sri. Aji S.R.M, Sree Narayana Trust Executive Member, Dr. Joly A., Former Principal and HOD of Chemistry, Dr. Leji J. (Co-ordinator of DBT STAR College Scheme, Assistant Professor, Department of Zoology), Dr. Soju S., IQAC Coordinator, Smt Sini V., PTA Secretary offered felicitations to the function. The teachers from various departments, Dr. Leji J. (Co-ordinator of DBT STAR College Scheme, Assistant Professor, Department of Zoology), Dr. Aranya S. (Assistant Professor, Department of Physics), Lija P. Lekshmanan (Assistant Professor, Department of Chemistry), SajeshSasidharan (Assistant Professor, Department of Physics), Neelima N. L. (Assistant Professor, Department of Mathematics), the members of the science club and the students of Department of Physics participated in the function. The students were actively involved in the webinar.



Invited Lecture by Dr. Renjith S. on the topic

‘Science and Humanity’

The talk delivered by Dr. Renjith S., Scientist B, Central Analytical Facility (CAF), DTQM, BMT Wing, SreeChitraTirunal Institute for Medical Sciences and Technology (SCTIMST), Sattlemond Palace, Poojappura, Thiruvananthapuram was focused on ‘Science and Humanity’. The webinar provided an opportunity to enrich the knowledge about Raman effect, Raman spectroscopy, Raman scattering etc. The initial part of the talk was about the genesis of Science Day Celebration in India and the theme of this year’s celebration. The talk pointed on ‘What is Raman Effect’ based on scattering. He discussed about the contributions of Sir C. V. Raman and the applications of Raman effect in our daily life. He further described the developments in the field of light. In the second half of the talk he explained the need for studying science and applying the same for a better world. This attempt of

the Physics Department intended to improve the knowledge about 'Science and Humanity' among students and it proved to be successful. Inquisitiveness and the ability to ask the right questions are the basic tools of any aspiring scientist. He also discussed about recent developments in Science and Technology. The speaker also answered queries and provided some information on suitable career paths and encouraged the students to work hard & prosper. Students actively participated in the session. Anjana A. M., II B.Sc Physics student and science club member proposed the vote of thanks and the session came to an end.

These celebrations are essential for understanding an idea about the importance of science and technology for our existence. It is clear that such programmes will motivate our students and will help them to be a part in the development of our nation.

The Science of Road Safety

The P G Department of Physics, Sree Narayana College, Sivagiri, Varkala organized an invited talk on "The Science of Road safety" on 09th March 2021 at 7.00 pm. The session was hosted in the presence of invited guest, Dr. VaishakanThampi D S, teachers of the department Shri. SajeshSasidharan, Ms.VenasC L, Sri. JyothishBabu and Dr. Raji R. Dr. Raji R, Assistant Professor, Department of Physics, welcomed everyone to the seminar. The invited chief guest Dr. VaishakanThampi D S, Assistant Professor, M G College, Thiruvananthapuram delivered an excellent talk on the topic "The Science of Road Safety". He gave a deep insight into the physics behind the motion of vehicles through examples. He expressed his views on how road accidents in India increase and how can reduce these accidents by knowing the physics behind the motion of vehicles. He stated that, by knowing the different kinds of frictional force acting between the road and the tyre, we can drive vehicles safely. Through daily life experiences, he established his idea of the frictional force on road safety. It was indeed a great presentation and it has certainly sparked some true debates on the topic. There was an active

participation of 46 students from the Department of Physics. The debate laid the foundation for the young minds of students about the need for studying physics and how can analyse the situations that occur in our daily life from a physics point of view. Miss. Varsha R Nair, I BSc Physics student proposed vote of thanks.

LIST OF PARTICIPANTS

Participants	Joined	Class
Info Sn College	3-9-2021 18:59:24	Faculty
AbhimaS.R	3-9-2021 18:59:24	I BSc Physics
Abhinav D S	3-9-2021 18:59:24	I BSc Physics
Abhirami M	3-9-2021 18:59:24	I BSc Physics
Advaitha.J.S	3-9-2021 18:59:24	I BSc Physics
Adwayith S	3-9-2021 18:59:24	I BSc Physics
Akhil Vinayak M.U	3-9-2021 18:59:24	I BSc Physics
Akshara S S	3-9-2021 18:59:24	I BSc Physics
Alfiya Kabeer	3-9-2021 18:59:24	I BSc Physics
Dr Raji R	3-9-2021 18:59:24	Faculty
Fahad Sikkander	3-9-2021 18:59:24	I BSc Physics
Gopika C H	3-9-2021	I BSc Physics

	18:59:24	
Greeshma. S	3-9-2021 18:59:24	I BSc Physics
Harichandana S	3-9-2021 18:59:24	I BSc Physics
Lakshmi S	3-9-2021 18:59:24	I BSc Physics
Neeraja Ajith	3-9-2021 18:59:24	I BSc Physics
NileeniDutt	3-9-2021 18:59:24	III BSc Physics
Nivya Vijayan	3-9-2021 18:59:24	I BSc Physics
PrincySR	3-9-2021 18:59:24	I BSc Physics
Shifa Shibu	3-9-2021 18:59:24	I BSc Physics
Siva Priya Biju	3-9-2021 18:59:24	III BSc Physics
Sreelekshmi B S	3-9-2021 18:59:24	I BSc Physics
VaisakhanThampi	3-9-2021 18:59:24	Chief Guest
Varsha R Nair	3-9-2021 18:59:24	I BSc Physics
Abhijith Physics	3-9-2021 19:16:41	I BSc Physics

Akhil Chandran	3-9-2021 19:16:41	I BSc Physics
Anil Das	3-9-2021 19:16:41	I BSc Physics
Bhagya Suresh	3-9-2021 19:16:41	III BSc Physics

Gouri V S	3-9-2021 19:16:41	I BSc Physics
Gouri.S.T	3-9-2021 19:16:41	I BSc Physics
Jaseentha C	3-9-2021 19:16:41	I BSc Physics
Kavya Kumar	3-9-2021 19:16:41	I BSc Physics
Lakshmi R Ganesh	3-9-2021 19:16:41	III BSc Physics
Lekshmi S	3-9-2021 19:16:41	I BSc Physics
Meenu M S	3-9-2021 19:16:41	I BSc Physics
Midhun. S	3-9-2021 19:16:41	I BSc Physics
Parvathy S	3-9-2021 19:16:41	I BSc Physics
Ragi G Raj	3-9-2021 19:16:41	III BSc Physics
Reshma Subhash	3-9-2021 19:16:41	III BSc Physics
Shamla AS	3-9-2021 19:16:41	III BSc Physics
Shijin Shaji	3-9-2021 19:16:41	I BSc Physics
Sivakami C S	3-9-2021	I BSc Physics

	19:16:41	
Sreelekha B S	3-9-2021 19:16:41	III BSc Physics
Sreeram H R	3-9-2021 19:16:41	I BSc Physics
Unnikrishnan R J	3-9-2021 19:16:41	I BSc Physics
Veenas C L	3-9-2021 19:16:41	Faculty
ArdraRk	3-9-2021 19:16:49	III BSc Physics
Brijunnath Ps	3-9-2021 19:17:25	III BSc Physics
FaizYoosuf	3-9-2021 19:17:28	I BSc Physics
Soubhagya	3-9-2021 19:17:45	I BSc Physics
Sreelekshmi BS	3-9-2021 19:17:49	III BSc Physics

CTION

Force on wheel

Wheel rolls forward

Friction on wheel resists sliding

This point does not move

CTION

Force on wheel

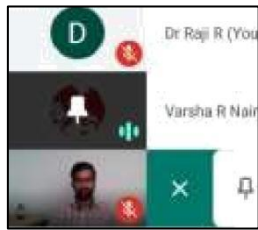
Wheel rolls forward

Friction on wheel resists sliding

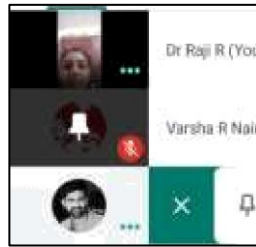
This point does not move

4G)





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SREE NARAYANA COLLEGE

Sivagiri, Varkala, Kerala

(Affiliated to University of Kerala, Reaccredited by NAAC with B grade)



Hands- on training in Computer Science (C++ Programs) for Third year BSc Physics

On

31st March 2021 at 10 a.m.

Venue: Computer Lab

Organized by

Post Graduate Department of Physics

(DBT STAR Supported)

Resource person



Niranjananadh V S

Php Developer, Hiworth Solutions,

Techno park, Trivandrum

Organizing Committee

Dr.K.C.Preetha(Principal)
Sri. Sajesh Sasidharan
Sri.Jyothish.B (coordinator)
Aiswaryamol.N.S
Smt.Parvathy .S.S

Dr. Aranya S (HOD)
Smt.Veenas.C.L
Dr.Parvathi S Babu Smt.
Dr.Raji.R

Programme

report

Postgraduate Department of Physics, Sree Narayana College, Sivagiri, Varkala organized a hands-on training programme in (C++) for third year BSc Physics on 31 March 2021 at 10 a.m. at College Computer lab. Sri. Jyothish B, the coordinator for the programme welcomed the resource person for the invited talk. The programme was arranged in a motive of sharing knowledge and practical experience of Miss. Niranjanaadh V.S, Php developer, Hiworth solutions, Techno Park, Thiruvananthapuram. She inspired the audience by lively interacting on topics such as C++ (Including theory and practical session). The faculty members Dr. Preetha.S (Principal, Associate professor in Physics), Dr. Aranya. S (Assistant professor & HOD, Department of Physics), Mr. Sajesh Sasidharan (Assistant professor), Smt. Veenus C.L (Assistant professor), Dr. Parvathy (Assistant professor), Smt. Aiswarya (Assistant professor), Dr. Raji (Assistant professor), Smt. Parvathy (Guest faculty) and Keerthana S Raj (Guest faculty) were well supported to organise this programme. Also the feedback about the session was collected from all the participants to improve the session that will be conducted in the future. Our student Lakhmi R Ganesh delivered the vote of thanks.





Hand-on training class conducted by Niranjananadh V S



Programme	Passed Year	Appeared	Passed	Percentage
BSc Physics	2021	42	30	71.43
Msc Physics	2021	15	8	53.33

POST GRADUATE DEPARTMENT OF GEOLOGY

STUDENTS

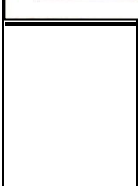
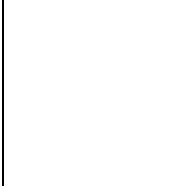
Semester I, III and V classes commenced respectively on and. First semester M.Sc started on and Third semester PG started on. The total number of 145 students of the FDP in Geology, consist of 41 students of first sem, 34 students of third sem, and 34 students of the V sem: First semester PG consists of 19 students and second PG consists of 17 students.

Results - 2020-21

Programme	Passed Year	Appeared	Passed	Percentage
BSc Geology	2021	34	32	94.12
MSc Geology	2021	17	16	94.12

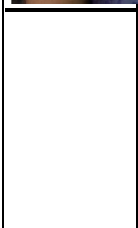
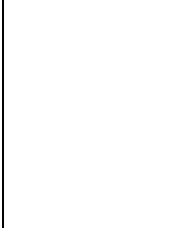
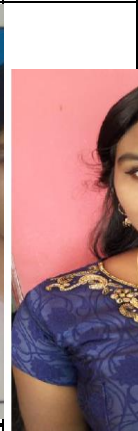
Result of the 2020 pass out batch (FDP).

Sl. No	Class	Total Students Appeared	No. of Students Passed	Pass % (Main only)	Pass % (Others)	University Rank
1	III DC	33	27	96%	81%	1 st position (SreeSruthy) IInd (AthiraKrishnan)
Total Number of Students got admission (PG) :6						
1	II PG	12	9	75%	-	



2018-21
batch BSc
student
Muhammed
d
Hathifqualbu
ifird JAM

2018-20
batch
MSc
Student
DayaBa
bu
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<u>2020</u>	<u>2020</u>
<u>Kerala</u>	<u>Kerala</u>
<u>University</u>	<u>Univers</u>
<u>First Rank</u>	<u>ity First</u>
<u>in BSc</u>	<u>Rank in</u>
<u>Geology</u>	<u>BSc</u>
<u>SreeSruth</u>	<u>Geolog</u>
<u>y</u>	<u>y</u>
	<u>Athira</u>
	<u>Krishn</u>
	<u>an</u>

ACHEIVEMENTS BY STUDENTS



Lakshmi R S4 BSc won third place in the University Tennis Tournament at Kumarokam on 19-9-2020-20- 9-2020 also participated in the South zone Interuniversity Tennis tournament organized by GITAM University Andrapradesh 10-10-2019-12-10-2019and Secured second and third in the team championship

FACULTY

During the 2020-21 academic year, the teaching faculty of the department consisted of two regular teachers and five guest lecturers. The list of teachers is as given below;

1. Dr. Sreela.S.R, Associate Professor and Head.
2. Dr. Shynu R, Assistantant Professor
3. Muhd.Nooh Nazir (Govt, Guest)
4. Siji S. (Govt, Guest)
5. Archana L. (Govt, Guest)

Laboratory Assistants: Shri: Anandu

ACHEIVEMENTS BY FACULTY

Dr.Sreela SR

- BoS UG 2020-
- Question paper setter for Calicut University
- MSc S4 Chairman 2020
- BSc S2 Chairman 2021
- Performed as Subject expert in the interview for Government Guest lecturers at SN College, Cherthala, SN College, Chempazhanthy, SAS College, Konni.
- ❖ Texture and Mineralogy of beach sediments of Chavara and manavalakurichi, South India –A Comparative analysis Indian journal of Geomarine sciences; March 2021 Vol 50(03)pp. 203-211

- ❖ Participated in UGC HRDC Refresher Course in Geology (Earth system and Exo- meteorology) 17-8-2020 to 29-8 2020 organized by UGC HRDC, Osmania University
- ❖ Covid 19 Awareness programme by Farook Training College, kozhicode on 9-5-2020
- ❖ IIGneous 2020 organised by Indian institute of magnetism from 29th may 7th June 2020
- ❖ E- Training on course on data integration for mineral exploration from 19-10 2020 to 23-10-2020 by Geological survey training institute, Hyderabad
- ❖ National webinar on international fossil day 2020 organized under the aegis of Geological Society of India, Bengaluru, And Paleontological Society of India, Lucknow on 17th Oct 2020
- ❖ Organized International Webinar on “Advances and Surprises in Geochemistry” on 9-8-2020
- ❖ Organized National Webinar on “Earthquakes: What? Where? Why? When?” 15-8-2020
- ❖ Organized National Webinar on “Restore our earth” in association with Kerala Forest department on 22-4-2021.

SEMESTER TUTORS

The following teachers are given the charges as tutors as shown below

Sem: 5 & 6 Dr. Shynu. R

Sem: 3 & 4 Archana L.

Sem: 1 & 2 Dr. Sreela SR

M.Sc I Sem Siji S.

ANNOUNCEMENT OF INTERNAL EXAM: RESULTS;

The results of the various internal test papers were given to the students and necessary remedial measures were taken. Teachers carried out academic counseling of the students based on their assessment through test papers and classroom performance

CLASS PTA

The class PTA of the VI Sem UG: PTA was held on 18/2/2021 FN



During the PTA meetings the teachers interacted with parents for result analysis so as to enable the parents to give more support to their wards, also discussed the effectiveness online mode classes.



The class PTA of the I Sem UG: PTA was held on 18-2-2020 AN

SEMINARS

National Webinar on “Restore our earth” in association with Kerala Forest department on 22-4-2021.



**Earth Day 2021
RESTORE OUR EARTH**

Social Forestry Extension Unit, Kollam
& IQAC
SREE NARAYANA COLLEGE, SIVAGIRI, VARKALA
Celebrating Earth day 2021

Webinar on the theme
"Restore our earth" **22-04-2021 ; 3 pm - Thursday**

Join with Googlemeet
<https://meet.google.com/ahs-gvxp-vhy>

Inauguration
Sri.L.Sidheeq IFS
Conservator of forests
Social forestry Southern region,
Kollam



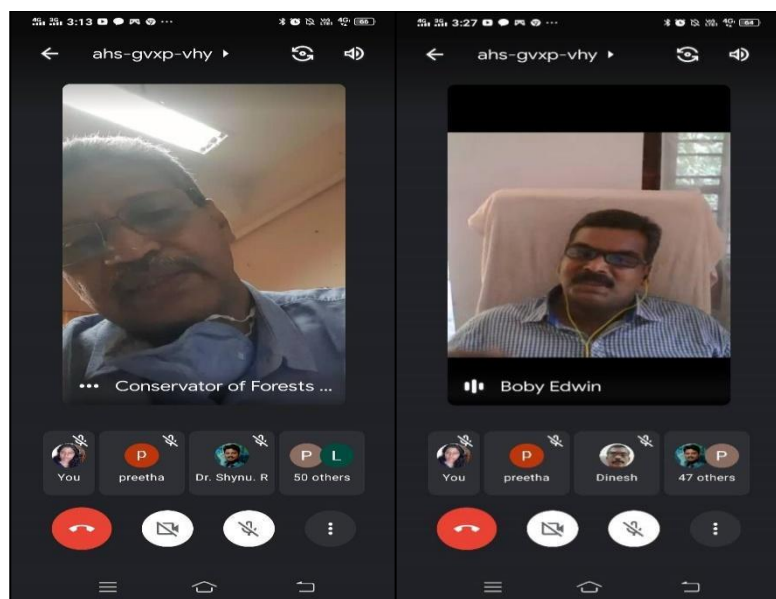
Resource person
Dr. Boby T Edwin
Head, Dept of Botany,
TKM College, Kollam



Felicitation
Sri. Dinesh S,
Assistant Conservator of Forests
Dr.Soju S.IQAC Coordinator

All are cordially invited

Organised by Social forestry Extension Unit, Kollam & Post Graduate Department of GEOLOGY

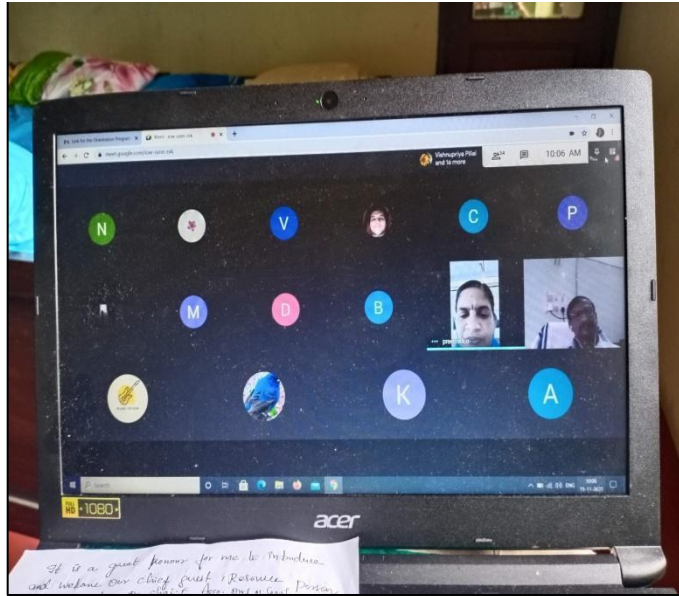


International Webinar on “Advances and Surprises in Geochemistry” on 9-8-2020



National Webinar on “Earthquakes: What? Where? Why? When?” 15-8-2020





Induction programme for BSc Students by Dr Shaji E, Associate Professor, Dept. of Geology, Karyavattom, Kerala University on Nov 19



An Invited Talk by Dr. Saji S, Asst. Professor, Department of Geology S N College, Chempazhanchy on 18th Dec 2020



Our department provide facilities to conduct BSc practical examinations for Dr.Palpu College of Arts and Sciences during the Covid 19 pandemic situation on 20th Nov 2020



Dr palpu Colelge of Atrs and Sciences declared as Covid center, students from their college had trained practical in our department for University practical examinations

GEOLOGICAL FIELDWORK



One day field work at Edapady quarry



Study tour for BSc Geology Students at Vynad



Set up a rock garden in front of our college



Department Sendoff function

DEPARTMENT OF MATHEMATICS

College officially reopened after summer vacation on 01.06.2020 amidst Covid-19 Pandemic. The department offered online classes for the students, as instructed by the Department of Higher Education, Kerala.

FACULTY MEMBERS

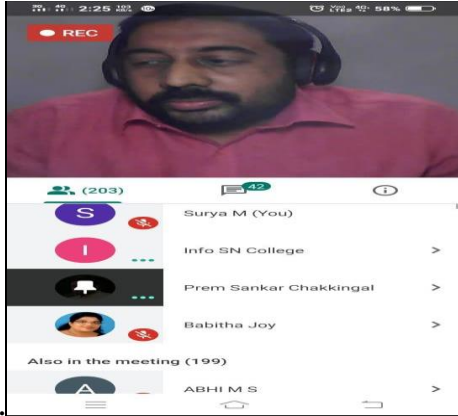
SL.NO	Name	Designation	Qualification
1	Smt. Neelima N L	Assistant Professor and HOD	MSc , M Phil , NET
2	Sri. Sreemurukan A	Assistant Professor	MSc, NET
3	Dr.Sanma G R	Assistant Professor	MSc, PhD
4	Smt. Archana. A	Guest Lecturer in statistics	MSc

UG STRENGTH

Class	Strength	Male	Female
First year	40	13	27
Second Year	40	12	28
Third Year	53	12	41

EVENTS IN THE ACADEMIC YEAR

1. Department of Mathematics organized a webinar on “AN INTRODUCTION TO DATA SCIENCE” by Premsankar Chakkingal, Co founder WaggleLab, Freelance data science trainer on 25 August 2020.



2. As the part of National Mathematics day Department of Mathematics organized a National webinar on COMPLEX NETWORKS by Dr.K.Satheeshkumar, Head and Associate Professor ,Department of Future studies, Kariavattom Campus on 19 December



TEACHER’S ACHIEVEMENTS

Neelima N L

1. Attend an one month Orientation Course conducted by HRDC Kariavatto
2. Organize a national webinar on COMPLEX NETWORKS
3. Science club member, mathematics club member.
4. Scholarships coordinator

5. Third year tutor
6. Participated a webinar on 2020 e-darshan webinar lecture series introductory lecture series horizons of virtual teaching organized by TKM College, Kollam.
7. Participated in the webinar "Mathematics- The kernel of science" conducted by department of Mathematics in association with IQAC, Sree Narayana College Chempazhanthy on 22/12/2020

Sreemurukan A

1. Convener of Remedial teaching
2. Convener of office management and coordination
3. Member of Debate club and Mathematics Club
4. First year tutor
- 5 Participated in the webinar "Mathematics- The kernel of science" conducted by department of Mathematics in association with IQAC, Sree Narayana College Chempazhanthy on 22/12/2020

Dr.Sanma G R

1. Mathematics club coordinator
2. Literary club member
3. External examiner of fifthsemester computer practical
4. Second year tutor.
5. Participated in Webinar on "Crisis management during COVID 19" conducted by NSS unit of UKF college of Engg and Technology in 11june 2020

6. Participated in webinar on " Online tools for higher education in digital era" conducted by Govt. First grade college, Vijayapur on 13 June 2020
7. Participated in webinar on "Teaching online: possibilities and issues" conducted by Vidya Academy of science and technology on 15June 2020
8. Participated in Webinar on "Fuel cells: Energy of future"conducted by Viswajyothi college of engg on 16 june2020

DEPARTMENT ACHIEVEMENT

Department of mathematics signed an MOU with Waggle Lab,Kerala University – Technology and business Startup center on January 2021.



PTA MEETING

III DC PTA meeting: 1-08-2020: An online PTA meeting was arranged due to COVID 19, and all students and their parents were attended. We were discussed about the online class and its difficulties. An offline PTA meeting was arranged before their fifth semester examination.

II DC PTA meeting: An offline PTA meeting arranged before their third semester examination.

UNIVERSITY RESULTS

Final Year BSc Result

Programme	Passed Year	Appeared	Passed	Percentage
BSc Maths	2021	52	42	80.77

STUDENT'S ACHIEVEMENT

Akhiljith (III Maths) got Silver medal in the Kerala University inter collegiate Wrestling championship 2020-21.

AnakhaAjith(III Maths) won online Quiz

DEPARTMENT OF ZOOLOGY

List of Teachers:

Sl. No.	Name	Designation	Years of Experience	Nature of Appointment
1	Dr. Leji. J	Asst. Professor & HOD	13	Permanent
2	Smt. Preethi. S	Asst. Professor	8	Permanent
3	Dr. Binushma Raju	Asst. Professor	8	Permanent
4	Dr. Babitha. G. S	Asst. Professor	11	Permanent

1. Value-added courses imparting transferable and life skills offered during the year:
2. Field Projects / Internships under taken during the year:
3. Whether structured feedback received from all the stakeholders.

Students	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Teachers	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Employers	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Alumni	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Parents	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

4. List of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. :

Sl. No.	Name
1	Dr. Leji. J
2	Smt. Preethi. S
3	Dr. Binushma Raju
4	Dr. Babitha. G. S

5. Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year) : NIL

6. Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass Percentage
250	Zoology		39	32	82.05%

7. Research funds sanctioned and received from various agencies, industry and other organisations : NIL

Nature of the Project	Duration in day	Name of the funding agency	Total grant sanctioned (Rupees in Lakhs)	Amount received during the year (Rupees in Lakhs)

8. Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category

9. No. of Incubation centre created, start-ups incubated on campus during the year:
NIL

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement

10. List of teachers who receive recognition/awards : NIL

State	National	International

11. Ph. Ds awarded during the year (applicable for Research Center)

12. Research Publications in the Journals notified on UGC website during the year :
NIL

S1.No	Name of Teacher/Student	State/National /International	ISSN/ISBN	Name of Journal	Average Impact Factor (if any)

13. Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year : NIL

S1.No	Name of Teacher/Student	State/National /International	ISSN/ISBN	Name of Journal/Book	Average Impact Factor (if any)

14. Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation

15.H-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication

16.Faculty participation in Seminars/Conferences and Symposia during the year :

No. of Faculty	International	National	State	Local
4	10	8	12	

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

Title of the activities	Organising unit/ agency/ collaborating agency	Number of teachers coordinated in such activities	Number of students participated in such activities

18. Awards and recognition received for extension activities from Government and other recognized bodies during the year: NIL

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers coordinated in such activities	Number of students participated in such activities

20. Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration in day

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

Nature of linkage	Title of the linkage	Name of the partnering institution/industry	Duration From	Duration To	Participant

		/research lab with contact details			
Project work	Reproductive potential studies Zooplankton, <i>Moinamicrura</i> fed with microalgae, <i>chlorella</i> <i>vulgaris</i>	Dept. of Aquatic Biology & Fisheries, University of Kerala	15-3-2021	31-3-2021	10

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Indian Dental Association, Attingal.	5-1-2021	Seminar	93
Dept. of Aquatic Biology & Fisheries, University of Kerala	12-1-2021	Project work	10

Kavitha Farm House, Thachodu, Varkala	12-1-2021	Training and Field visit	42
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23. Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added

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

Name of the Teacher	Name of the Module	Platform on which module developed	Date of launching ise-content

25. Scholarships and Financial Support*

	Name/Title of the	Number	of	Amount	in
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	scheme	students	Rupees
Financial Support from institution	<input type="text"/>	<input type="text"/>	<input type="text"/>
Financial Support from Other Sources			
a) National	<input type="text"/>	<input type="text"/>	<input type="text"/>
b) International	<input type="text"/>	<input type="text"/>	<input type="text"/>

*Provide list of students separately

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

27.Student progression to higher education in percentage during the year

Year	Name of student enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2020	Abhay Babu	Zoology	Dept. of Zoology, S.	University College, TVM	M.Sc. Zoology

			N. College, Varkala		
2020	Mithra Madhu	Zoology	Dept. of Zoology, S. N. College, Varkala	University College, TVM	M.Sc. Zoology
2020	S S Aparna	Zoology	Dept. of Zoology, S. N. College, Varkala	Govt. Women's College, TVM	M.Sc. Zoology
2020	Muna. H	Zoology	Dept. of Zoology, S. N. College, Varkala	Dept. of Zoology, University of Kerala	M.Sc. Zoology
2020	Gopika. S	Zoology	Dept. of Zoology, S. N. College, Varkala	S. N. College, Kollam	M.Sc. Zoology
2020	Salini B S	Zoology	Dept. of Zoology, S. N. College, Varkala	M.G. College, TVM	M.Sc. Zoology
2020	Thara M S	Zoology	Dept. of Zoology, S.	M.G. College, TVM	M.Sc. Zoology

			N. College, Varkala		
2020	Namitha U B	Zoology	Dept. of Zoology, S. N. College, Varkala	Christian College, Chengannur	M.Sc. Zoology
2020	Sisira R R	Zoology	Dept. of Zoology, S. N. College, Varkala	S.N. College, Cherthala	M.Sc. Zoology
2020	Thushara T M	Zoology	Dept. of Zoology, S. N. College, Varkala	S.N. College, Cherthala	M.Sc. Zoology
2020	Karthika Biju	Zoology	Dept. of Zoology, S. N. College, Varkala	SDE , University of Kariavattom	M.A. English
2020	Sarvathmajan A	Zoology	Dept. of Zoology, S. N. College, Varkala	University of Kerala, Kariavattom	M.A. Sociology
2020	Devika J R	Zoology	Dept. of Zoology, S.	Rajadhani Buisness School,	MBA

			N. College, Varkala	Nagaroor	
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28.Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services):

29.Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student

30.Alumni contribution during the year (in Rupees) :

31.Meetings/activities organized by Alumni Association :

32.List of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Name of Teacher	Title of the professional development	From Date	To date	Duration in day

	programme			

33. Activities and support from the Parent – Teacher Association: Parents actively participated in routine PTA meeting arranged in department and made valuable suggestions

34. Describe at least two institutional best practices : (1) Value education and open courses

(2) Linkage with premier institutions

35. Provide the details of the performance of the department in one area distinctive to its vision, priority and thrust in not more than 500 words

36. Future Plans of action for next academic year (500 words)

- ❖ Establish M.Sc Department
- ❖ More external funded projects, seminars, workshops
- ❖ Active research interaction with industries
- ❖ More research publications in international peer reviewed journals
- ❖ Introduce an effective career strategy for students: to assist them in placement
- ❖ Improve employment opportunities as well as entrepreneurship training to begin small and medium scale industries such as apiculture and aquaculture.

Events Organized by the Department during 2020-2021

- The Dept. of Zoology and Health Education Club, Sree Narayana College, Sivagiri, Varkala jointly organized Webinar on "Common Gynaec Problems from

Birth to Postmenopause" in association with IQAC of Sree Narayana College, Sivagiri, Varkala on 27th July 2020. The session was led by the eminent Gynaecologist Dr. Megha Jayaprakash, Associate Professor (Obstetrics &Gynaecology), Govt. Medical College, Thrissur.

- A webinar was conducted by the nature club in association with Department of Zoology and IQAC on 2 August 2020 on the topic “Nature Conservation in the time of Covid-19”. Dr. Abhilash R, Assistant Professor, Christian College, Chengannur was the resource person.
- The Dept. of Zoology with the support of DBT Star college scheme organized an International webinar on “Backyard Aquaculture Practices” on 9th October 2021. Prof.SambhuChithambaran, Professor, Faculty of Marine Science, King Abdulaziz University, Jeddah, Saudi Arabia was the resource person.
- Health Education Club and Department of Zoology has jointly organized an Interactive Webinar On a very relevant topic “Early Detection and Management Of Breast Cancer” in association with Regional Cancer Centre, Trivandrum, Kerala and Indian Dental Association, Attingal Branch at 7.00 pm on 20th October, 2020. It was conducted via the Zoom meet. The session was led by eminent Radiation Oncologist Dr. Priya Balakrishnan, Assistant Professor, Dept of Radiation Oncology, Regional Cancer Centre, Trivandrum, Kerala.
- On 18th December 2020, a field visit was conducted for the first year B.Sc. Zoology students by the Department of Zoology of S.N College, Varkala. There were 41 students and 2 teachers has visited Kavitha Farm House, Thachode, Chemmaruthy, Varkala. The aim of the field visit was to make us awareness about the importance of vermicomposting, fish farming and information about Bio-floc fish farming.
- Department of Zoology with the support of DBT Star college scheme organized a one day seminar on ‘Careers and Opportunities in Zoology’ on 15th February 2021 at the conference hall. The technical session of the seminar was handled by Dr.

Mano Mohan Antony, Assistant Professor, Department of Zoology, University College, Thiruvananthapuram.

- 31 students from II year and III-year B. Sc. Zoology have visited Marine Aquarium and ADAK Odayam Hatchery Varkala as a part of their field visit on 20-3-2021. The visit includes Marine and Freshwater Aquarium, Multispecies Shrimp Hatchery and Aquatic Animal Health Centre.
- 36 Students from Final year BSc. Zoology students participated a training cum workshop on “Apiculture techniques” on 22nd March 2021 at Bee Keeping Centre, HortiCorp, Mavelikkara.
- DBT Star college scheme supported Department of Zoology arranged an Invited talk on ‘Heronry Birds and Urbanisation’ on 29th March 2021, Sri. Roshnath. R, Secretary, Malabar Awareness and Rescue center for wildlife, Kannur was our resource person. It was conducted via the Zoom meet.
- A Webinar on “Beekeeping” was conducted by Sunil. B, Regional Manager, HortiCorp, Beekeeping Centre, Mavelikkara for Zoology students. All students actively participated in the programme in connection with “TRENDZ Seminar Series.” on 11th May, 2021. The Department organized a student’s webinar in connection with “TRENDZ Seminar Series” May 11, 2021”. Anamica. C. R, First year B.Sc student, Abhinav. S. D, Second year B. Sc student and Sravya. K. R, Third year B. Sc student, presented papers.

STUDENT ACHIEVEMENTS

Three students of department of Zoology bag ranks in the Kerala university B.Sc degree examination. Aparna. S. S and Muna. H and Gopika. S got second, third and fourth rank for B.Sc Zoology examination.



Aparna. S. S

II Rank, University of Kerala



Muna. H

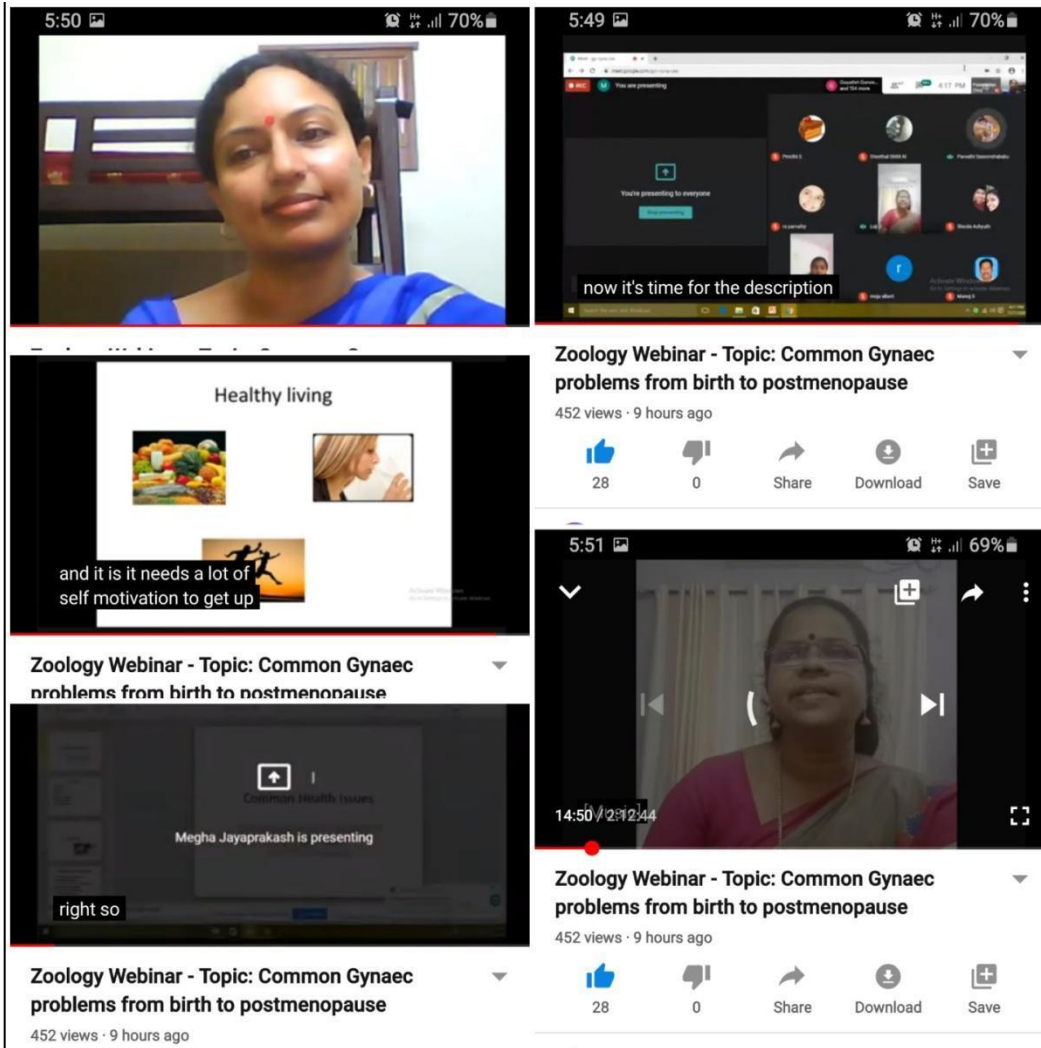
III Rank, University of Kerala



Gopika. S

IV Rank, University of Kerala

Events Organized by the Department during 2020-2021



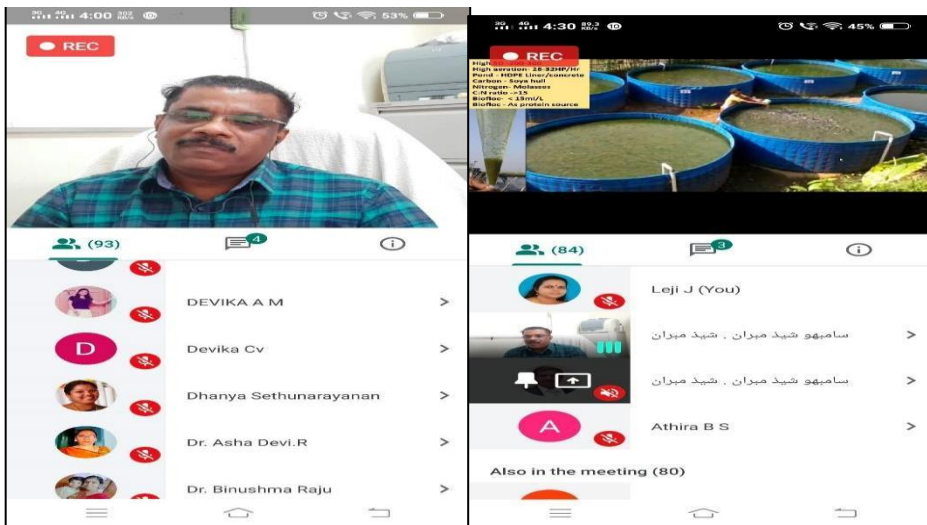
Webinar on "Common Gynaec Problems from Birth to Postmenopause"

[Dr. Megha Jayaprakash, Associate Professor (Obstetrics &Gynaecology), Govt. Medical College, Thrissur]



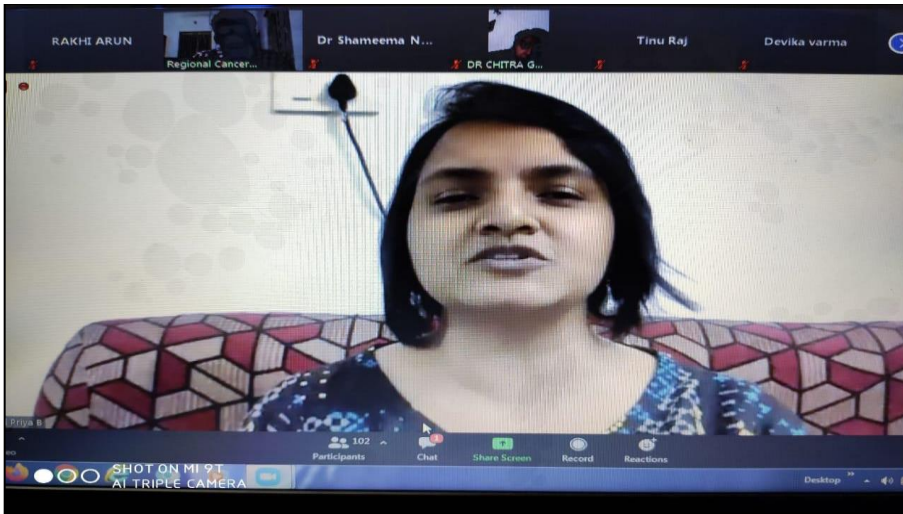
Webinar on “Nature Conservation in the time of Covid-19”

Dr. Abhilash R, Assistant Professor, Christian College, Chengannur was the resource person.



International webinar on “Backyard Aquaculture Practices”

(Prof.SambhuChithambaran, Professor, Faculty of Marine Science, King Abdulaziz University, Jeddah, Saudi Arabia)



Webinar on “Early Detection and Management of Breast Cancer”

(Dr. Priya Balakrishnan, Assistant Professor, Dept of Radiation Oncology, Regional Cancer Centre, Trivandrum)



Field visit

(Kavitha Farm House, Thachode, Chemmaruthy, Varkala)



Seminar on “Careers and Opportunities in Zoology”

(Dr. Mano Mohan Antony, Assistant Professor, Department of Zoology, University College, Thiruvananthapuram)



Field Visit

Marine Aquarium and ADAK Odayam Hatchery, Varkala



Shrimp Hatchery, ADAK, Varkala



Awareness class on “Apiculture”

(Bee Keeping Centre, HortiCorp, Mavelikkara)

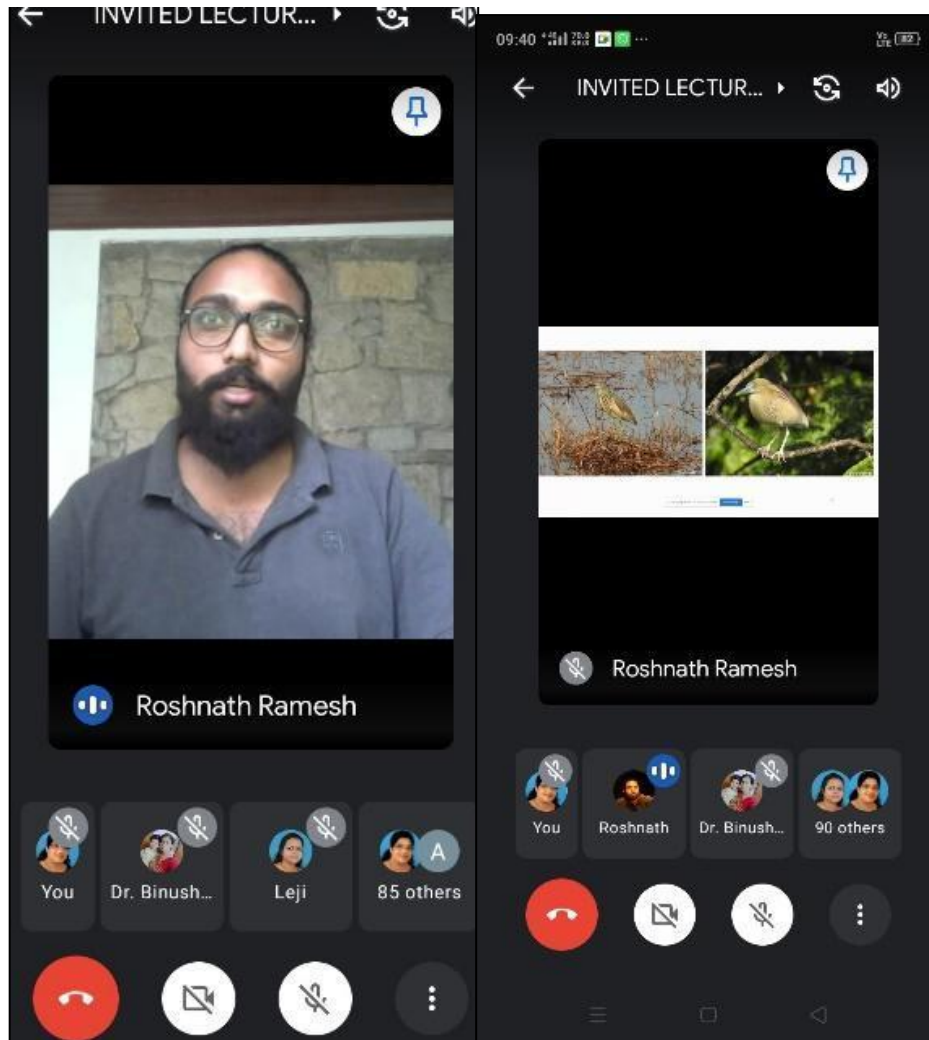


Workshop on “Apiculture techniques”

(Bee Keeping Centre, HortiCorp, Mavelikkara)



Awareness class on “Honey Processing”



Invited Talk on “**Heronry birds and Urbanisation**”

(Sri. **Roshnath. R**, Secretary, Malabar Awareness and Rescue center for wildlife, Kannur)

Events Organized by the Department during 2021-2022

- A Webinar on “Beekeeping” was conducted by Sunil. B, Regional Manager, Horticorp, Beekeeping Centre, Mavelikkara for Zoology students. All students actively participated in the programme in connection with “TRENDZ Webinar Series.” on 11th May, 2021. The Department organized a student’s webinar in connection with “TRENDZ Webinar Series” May 11, 2021”. Anamica. C. R, First year B.Sc student, Abhinav. S. D, Second year B. Sc student and Sravya. K. R, Third year B. Sc student, presented papers.

- The Dept. of Zoology, Sree Narayana College, Sivagiri, Varkala celebrates ‘World Environment Day Celebrations 2021’ on 7th June on the topic “Environment Restoration”. The programme was conducted via google meet. The session was led by the Dr. Babitha. G. S, Dept. of Zoology, Asst. Professor, S. N. College, Varkala. The Department of Zoology organized a poster Competition in connection with “World Environment Day”.
- The Dept. of Zoology, Sree Narayana College, Sivagiri, Varkala celebrates ‘World Ocean Day 2021’ on 10th June on the topic “The Ocean: Life and Livelihoods”. The programme was conducted via google meet. The session was led by the Resource person Dr. Sajeena Muhammed, Asst. Professor, Iqbal College, Peringamala. After the lecture session, student session starts. Our students from 1st, 2nd and 3rd year actively participated in the power point presentation competition on various interesting topics of ocean.

DEPARTMENT OF CHEMISTRY

Courses Offered: M.Sc Analytical Chemistry, B.Sc Chemistry

List of Teachers:

Sl.No	Name of Teacher	Designation	Years of Experience	Nature of Appointment
1	Dr A Joly	Head and Associate Professor	28 years	Permanent
2	Smt Reshmi Jaya Raveendran	Assistant Professor	10 years	Permanent
3	Smt Lija P Lekshmanan	Assistant Professor	8 years 10 months	Permanent
4	Dr Ashalatha A	Assistant Professor	8 years 10 months	Permanent
5	SmtShibitha Thampi R S	Assistant Professor	8 years	Permanent
6	Smt Induja P	Assistant Professor	8 years	Permanent
7	Smt Saritha S J	Assistant Professor	8 years	Permanent
8	Smt Reshma R	Assistant Professor	8 years	Permanent
9	Smt Lekshmi S Dharan	Assistant Professor	7 years	Permanent

10	Dr Ambily Chandran	Assistant Professor	5 years	Permanent
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Value-added courses imparting transferable and life skills offered during the year:

Field Projects / Internships under taken during the year:

Name of the student	Institute	Topic	Duration of internship
Arya KJ	Adsorptive Removal of Phosphate using Calcinated Clay-Eggshell Composite	National Centre for Earth Science Studies, Trivandrum	2 months
Angana Sujith	Geochemistry and environmental implications of soil in the buffer zone of Ashtamudi wetland, kollam, Kerala	National Centre for Earth Science Studies, Trivandrum	4 months
Surya S	Distribution of priority pollutants in the sediment of Netravati river basin	National Centre for Earth Science Studies, Trivandrum	2 months
Amina Seheed	Synthesis of spirocyclic heterocycles and a look into their bioactivities.	Department of Chemistry university of kerala Kariavattom campus	1 month

Whether structured feedback received from all the stakeholders.

Students	<input type="radio"/> Yes <input checked="" type="radio"/> No
Teachers	<input type="radio"/> Yes <input checked="" type="radio"/> No
Employers	<input type="radio"/> Yes <input checked="" type="radio"/> No
Alumni	<input type="radio"/> Yes <input checked="" type="radio"/> No
Parents	<input type="radio"/> Yes <input checked="" type="radio"/> No

List of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.:

Sl.No	Name of Teacher	ICT Platform used
1	Dr A Joly	Google Classroom, WhatsApp, Telegram, YouTube
2	Smt Reshmi Jaya Raveendran	LMS, Google Classroom, WhatsApp, Telegram, YouTube
3	Smt Lija P Lekshmanan	LMS, Google Classroom, WhatsApp, Telegram, YouTube
4	Dr Ashalatha A	LMS, Google Classroom, WhatsApp, Telegram, YouTube
5	SmtShibitha Thampi R S	LMS, Google Classroom, WhatsApp, Telegram, YouTube
6	Smt Induja P	LMS, Google Classroom, WhatsApp, Telegram, YouTube
7	Smt Saritha S J	LMS, Google Classroom, WhatsApp, Telegram, YouTube
8	Smt Reshma R	LMS, Google Classroom, WhatsApp, Telegram, YouTube
9	Smt Lekshmi S Dharan	LMS, Google Classroom, WhatsApp, Telegram, YouTube
10	Dr Ambily Chandran	LMS, Google Classroom, WhatsApp, Telegram, YouTube

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

Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass Percentage
235	BSc Chemistry	Chemistry	38	25	65.79
636	MSc Analytical Chemistry	Analytical Chemistry	14	11	78.57

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

Nature of the Project	Duration in day	Name of the funding agency	Total grant sanctioned (Rupees in Lakhs)	Amount received during the year (Rupees in Lakhs)
Nil				

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement

List of teachers who receive recognition/awards

State	National	International

Ph. Ds awarded during the year (applicable for Research Center) NA

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

Sl.No	Name of Teacher/Student	State/National /International	ISSN/ ISBN	Name of Journal	Average Impact Factor (if any)
1.	Reshma R	International		<i>J. Biomol. Struct. Dyn.</i>	3.549

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

Sl.No	Name of Teacher/Student	State/National /International	ISSN/ISBN	Name of Journal/Book	Average Impact Factor (if any)

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Tridentate imidazole-based Schiff base metal complexes: molecular docking, structural and biological studies	R. Reshma, R. Selwin Joseyphus, D. Arish & J. Johnson	Journal of Biomolecular Structure and Dynamics, https://doi.org/10.1080/07391102.2021.1914171	2021		PG & Research Department of Chemistry, Mar Ivanios College (Autonomous), University of Kerala, Nalanchira, Kerala, India; Department of Chemistry, Sree Narayana College, Varkala, Kerala, India; c	

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Tridentate imidazole-based Schiff base metal complexes: molecular docking, structural and biological studies.	R. Reshma, R. Selwin Joseyphus, D. Arish, R. Jaya Reshmi Jaya & J. Johnson	Journal of Biomolecular Structure and Dynamics, https://doi.org/10.1080/07391102.2021.1914171	2021	69		PG & Research Department of Chemistry, Mar Ivanios College (Autonomous), University of Kerala, Nalanchira, Kerala, India; Department of Chemistry, Sree Narayana College, Varkala, Kerala, India;

Faculty participation in Seminars/Conferences and Symposia during the year :

Name of	International	National	State	Local

Faculty				
Dr A Joly	1	2		
Reshmi Jaya Raveendran	3	2		
Lija Lekshmanan P	1	2		
Ashalatha A	1	2		
Shibitha Thampi R S	1	2		
Induja P	1	2		
Saritha S J	1	2		
Reshma R	1	2		
Lekshmi Dharan S	1	2		
Dr Ambily Chandran	1	2		

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

Title of the activities	Organising unit/ agency/ collaborating agency	Number of teachers coordinated in such activities	Number of students participated in such activities
Awareness class on plastic pollution	Department of Chemistry	One	
Awareness class on food adulteration	Department of Chemistry	One	

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

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers coordinated in such activities	Number of students participated in such activities

Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration in day
Hands on training programme on analysis using gas chromatography	13 students 2 teachers	DBT scheme support	One day
Hands on training programme on the use of AAS	10 students 2 teachers	DBT scheme support	One day

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

Nature of linkage	Title of the linkage	Name of the partnering institution/industry /research lab with contact details	Duration From	Duration To	Participant
Project Work	M.Sc Project work	NCESS, Aakkulam, Trivandrum	February 2021	March 2021	3

Hands on training	Training Programme	CEPCI, Kollam	January 31 st , 2021	January 31 st , 2021	15
Hands on training	Training Programme	Central Tuber Crops Research Institute, Sreekaryam	March 19, 2021	March 19, 2021	24

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Cashew Export Council of India (CEPCI), Kollam	27.07.2020	Hands on training on Gas Chromatography	Teachers- 2 Students - 13

Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Smartboards	Existing -1

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Reshmi Jaya Raveendran	Group theory	LMS, Youtube	
Dr Ashalatha A	Organic Photochemistry, Aromaticity	LMS	
Shibitha Thampi R S	Spectroscopy	LMS	
Induja P	Coordination Chemistry	LMS	
Saritha S J	Quantum Mechanics	LMS	
Reshma R	Electrochemistry	LMS	
Lekshmi Dharan	S Carboxylic Acid	LMS	
Dr Ambily Chandran	Organic Spectroscopy	LMS	

Scholarships and Financial Support*

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	<input type="text"/>	<input type="text"/>	<input type="text"/>
Financial Support from Other Sources			
a) National	<input type="text"/>	<input type="text"/>	<input type="text"/>
b) International	<input type="text"/>	<input type="text"/>	<input type="text"/>

*Provide list of students seperately

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

Remedial coaching has been given to all batches according to the timetable assigned.

Tutors have been mentoring students of their classes.

Student progression to higher education in percentage during the year

Year	Name of student enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
	Swathy S Nair Kavya P S Sruthy C Harsha M S Ganga S Kumar Vrindha V S	B.Sc Chemistry	Chemistry	S N College Varkala	M.Sc Analytical Chemistry
	Thasni Hashim M Anaswara Anil Pooja Jayan Arunima S R Sanal S	B.Sc Chemistry	Chemistry	Sn College Kollam	M.Sc Chemistry
	Gopika M P	B.Sc Chemistry	Chemistry	Govt Arts College, TVPM	M.Sc Analytical Chemistry

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

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student

Alumni contribution during the year (in Rupees) :

Rs 17,500/- Multifunctional printer provided by alumni

Rs 40,000/- Projector and white board in room no 12

Meetings/activities organized by Alumni Association :Nil

List of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Name of Teacher	Title of the professional development programme	From Date	To date	Duration in day
RESHMA R.	1. FDP " <i>LaTeX</i> " Spoken Tutorial Project, IIT Bombay	16/11/20	20/11/20	5
	3. International e-workshop on to., " <i>Electronic Structure, Theory and applications to chemical</i> "	02/11/20	06/11/20	6

SARITHA. S.J	<p><i>systems</i>". NIT, Tiruchirappally.</p> <p>4.FDP</p> <p>"Group Theory and its Applications in Chemistry" Govt. Arts College, Trivandrum.</p> <p>"Research Ethics and Characterisation Techniques in Materials Science"</p> <p>"Managing Online Classes and Cocreating Moocs"</p>	<p>09/11/20</p> <p>9-15 September 2020</p> <p>May 18-June 03 2020.</p>	<p>13/11/20</p>	<p>5</p>
Reshmi Jaya Raveendran	<p>1. FDP "LaTeX" Spoken Tutorial Project, IIT Bombay</p> <p>3. International e-workshop on to.,</p> <p>"Electronic Structure, Theory and applications to chemical systems". NIT, Tiruchirappally.</p> <p>4. FDP</p>	<p>16/11/20</p> <p>02/11/20</p> <p>09/11/20</p>	<p>20/11/20</p> <p>06/11/20</p> <p>13/11/20</p>	<p>5</p> <p>6</p> <p>5</p>

	<p><i>“Group Theory and its Applications in Chemistry”</i> Govt. Arts College, Trivandrum.</p>			
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Activities and support from the Parent – Teacher Association:

Describe at least two institutional best practices

- Prepared hand sanitizer and distributed to the municipality office and mission hospital, Varkala.
- Department honors the students from M.Sc. Analytical Chemistry who are securing more than 83% (250/300) in each odd semesters and more than 91% (550/600) in each even semesters in order to appreciate them and to encourage all students for achieving top score in university level.

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

Future Plans of action for next academic year (500 words)

To organize seminars with resource persons from reputed National Research Institutes to motivate students into research.

To organize training programmes for students to have exposure to advanced analytical techniques.

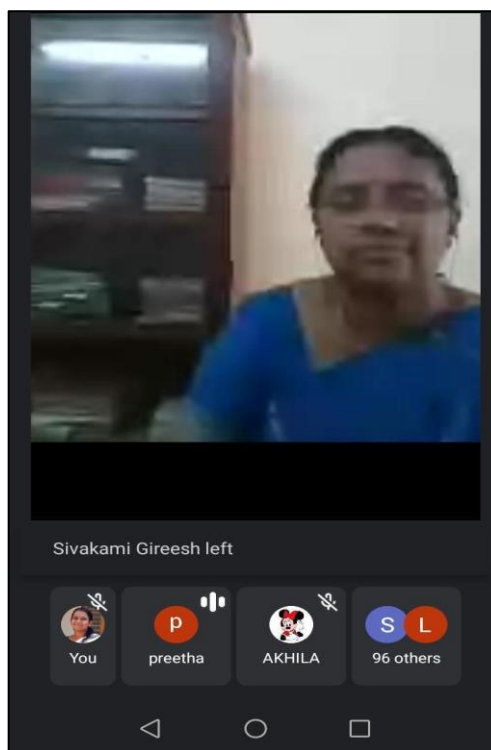
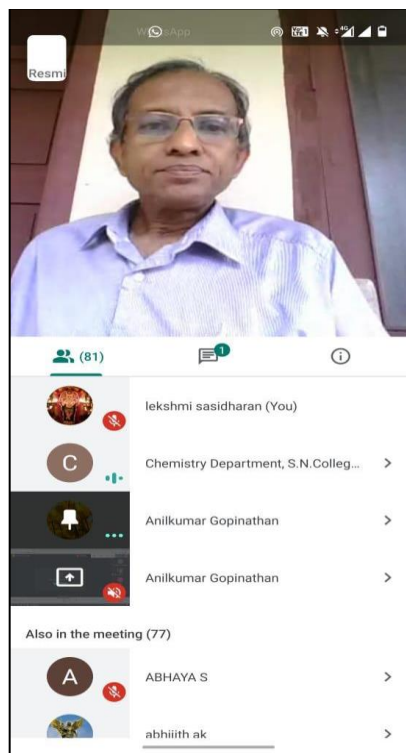
Organize science exhibition for students of high school.

To implement more consultancy services from the department such as water quality analysis, Soil analysis etc. and provide the service of our teachers as resource persons to other institutes.

Brief report of Programmes conducted in the academic year 2020-21

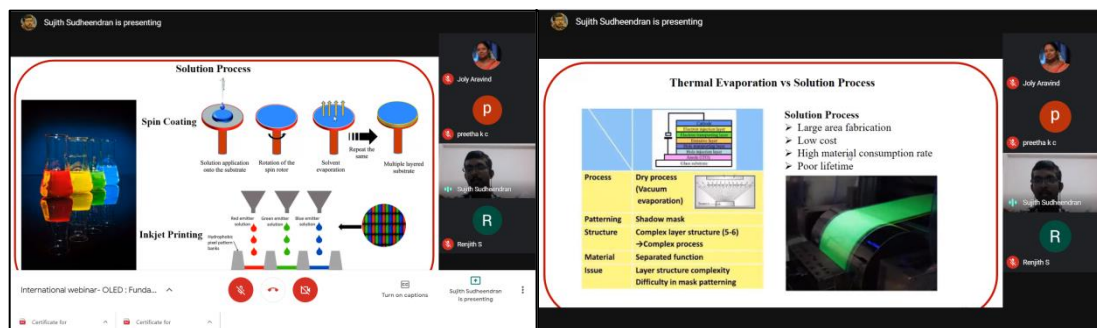
Transition metal catalysis in Organic synthesis by Dr G Anil Kumar, Professor, School of Chemical Sciences, MG University, Kottayam on 17th October 2020

One hundred participants including teaching faculty members, research scholars, UG and PG students of various colleges actively participated in the webinar. In the first half, the resource person delivered a lecture on asymmetric oxidation with special reference to epoxidation using Ru and Fe. The development of non-asymmetric and asymmetric epoxidation using Fe were



also covered in that session. In the second half, the development of novel C-C and C-heteroatom bond formations using Cu, Zn, Fe etc. together with some heterocycle syntheses were discussed. The talk was very inspiring and informative.

Organic Light Emitting Diodes- Fundamentals and Applications by Dr Sujith S S, Research & Development Engineer, Raystar Optronics, Taiwan on 31st October 2020



Dr Sujith S S, alumni of our college, expressed his great pleasure being able to interact with our students. In the technical session, he explained the basics of OLEDs, the methods of preparation and the research being carried out in the same field. He could motivate our students and also explained about the various competitive exams to qualify and also the wide range of opportunities available for the them after they complete the course successfully. Organic light emitting diodes (OLED) are widely used for the lighting and display applications. OLEDs possesses improved image quality - better contrast, higher brightness, fuller viewing angle, a wider color range and much faster refresh rates Thermal evaporation and solution process are utilizing for the fabrication of OLEDs. OLEDs are mainly classified into passive matrix OLEDs (PMOLEDs), active-matrix OLEDs (AMOLEDs), transparent OLEDs, top emitting OLEDs, white OLEDs, etc. Long time operational stability is one of the drawbacks of OLEDs. Utilization of potential materials, unique device architecture, and effective encapsulation technologies can improve the lifetime of OLED.

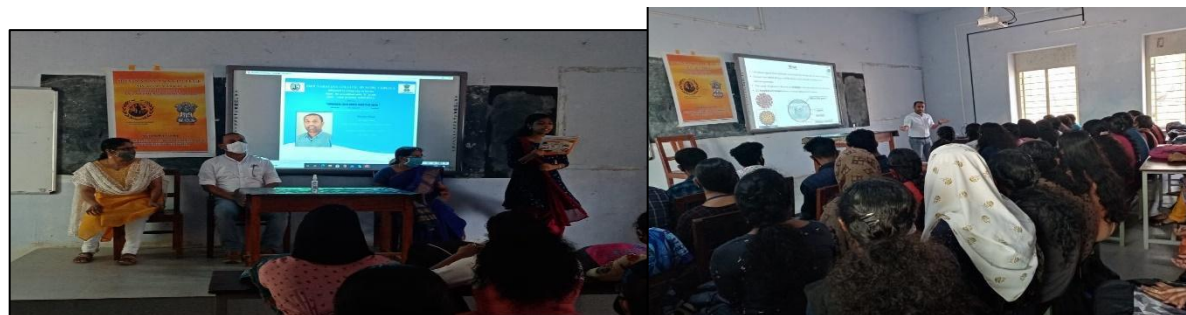
Hands on training programme for students on Residue Analysis using Gas Chromatography at CEPCI, Kollam on 30th January 2021





Thirteen students and two faculty members had received hands on training in residue analysis using gas chromatography from CEPCI (Cashew Export Promotion Council of India), Kollam on 30.01.2021. The qualitative and quantitative analysis was conducted on food samples to detect the types and amount of pesticide in the sample using gas chromatography. The training was on residue analysis using Gas Chromatograph. Pesticide analysis and water quality analysis is mainly done in CEPCI, Kollam. The lab technician first gave a detailed demonstration of the instrumentation of Gas Chromatograph. The demonstration was followed by a detailed analysis of a solid sample (Cashew). The Quechers extraction analysis method is used for the study.

Viruses– old ones and the new by Dr Jubi John, Senior Scientist (NIIST) & Assistant Professor of AcSIR, CSTD, CSIR-NIIST on 20th February 2021



The session was really interactive and the participants could get an innovative approaches to understand knowledge about the old and the new viruses and the disease caused by these viruses and how viruses utilize host cell functions for their multiplication. The session provided a free and interactive atmosphere for scientific exchange of their doubts and discussion.

National Science Day Celebration – Invited Talk by Dr V Sadasivan, Former HOD, University College, TVPM on 4th March 2021

As part of National Science Day celebration, Dr V Sadasivan (Former HOD, University College, TVPM) spent quality time with our students to explain to them the numerous opportunities open to them once they complete their Degree course in Chemistry. He explained to them the importance of clearing the competitive exams like IIT JAM and GATE. His lecture was on Group Theory and its applications. After the inaugural session we had a wonderful lecture from Dr. V. Sadasivan on the



topic Group Theory. In the afternoon session we had poster presentation competition for undergraduate and post graduate students on the topic ‘Future of STI: Impacts on Education, Skills

and Work’ and group discussion for under graduates on the topic “Prevention of COVID-19 ; Therapeutic Strategies.” The prizes for both the competitions were distributed to students by the dignitaries on the Dias.

“Functional Materials” by Dr Sreejalekshmi, Associate Professor, IIST, Trivandrum on 6th March 2021



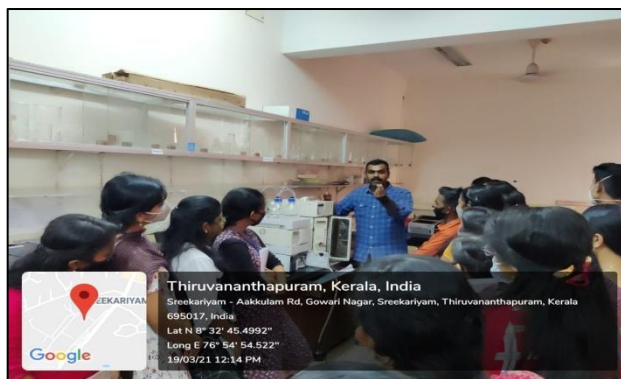
Dr K.G. Sreejalekshmi, Associate Professor, Dept of Chemistry, IIST Trivandrum gave a detailed lecture on ‘Functional materials. She shared the ideas of her ongoing projects in IIST, about the structural complexities and functional capabilities embraced by organic compounds.

Role of Chemistry in Developing a New World by Dr Renjith S, Scientist B, Central Analytical facility, Department of Technology and Quality Management, BMT Wing, SCTIMST, Trivandrum on 13th March 2021



Dr Renjith S delivered an informative speech on the topic ' Role of Chemistry in Developing a New World'. He spoke about eminent scientists in the world and their discoveries. This helped in motivating our students a lot. He talked about the current researches in SCTIMST, especially famous for heart valves. Students were very inspired when they heard about the various applications of modified polymers in life saving equipments. Most of the students were inspired by his talk to pursue their higher studies in research.

Lab visit at CTCRI, Trivandrum and Hands on Training for Students on AAS on 19th March 2021



The team first visited the museum there. There we got valuable information about the tuber crops and its industrial applications. Then Principal Scientist of Soil Science Laboratory Dr Byju gave us an informative lecture on the topic Soil Analysis. Structural, biological and chemical properties of soil were explained in detail. Then we visited the Biochemistry wing. Then they saw the working of HPLC, DSC, Spectrophotometer etc. After that our students got a hands on training on AAS in soil science wing. After lunch, the team visited the agro science wing where we got a hands on training on Flame emission photometer and electrical conductivity meter. Then we visited Soil Physics Lab where we got information about physical properties of soil. All scientists and other staffs of the institute were very friendly and supportive. The visit helped our students to become aware of the opportunities for Chemistry graduates in soil science and to understand the importance of Chemistry in agriculture.

Lithium Ion Batteries – An outlook on Present & Future by Dr Bibin John, Scientist SF, Energy Systems Division, VSSC, Trivandrum on 20th March 2021



The participants were students of first year and third year BSc Chemistry. Dr. Bibin John highlighted the different parts of lithium-ion batteries, making of lithium-ion batteries and its applications. He emphasized the basics of electrometry. The talk was very informative. Finally, he interacted with the students and gave more suggestions about future research fields in batteries.

Invited Talk on Virtual methods to teach Chemistry by Dr Rethesh Krishnan, Research Officer, RUSA- State Project Directorate, Trivandrum on 27th March 2021

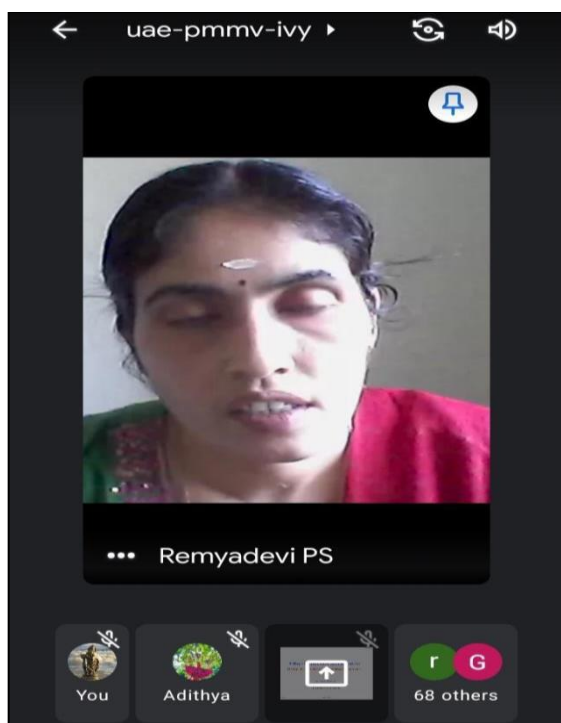


He effectively delivered an introduction of various virtual methods to teach Chemistry. He talk over about various softwares such as Orbital Viewer to study about structure and configuration of different orbitals, Chirality-2 to identify chiral centre of complex molecules, isomers, nomenclature

etc and also about various online Chemistry text books. Then he gave a brief idea about virtual labs by presenting some simple experiments in online mode. Most of the students were inspired by his talk to use virtual methods to teach Chemistry. Adithya Chandra (First semester BSc Chemistry student) delivered the vote of thanks and the talk ended at 1.30 pm.

Invited Talk on “X-ray fluorescence the Tool for Non-destructive Analysis of Materials” by Dr. Remya Devi P. S., Scientific Officer, Analytical Chemistry Division, BARC, Mumbai on 14th February 2021.

The technical session was handled by Dr. Remya Devi P. S., Scientific Officer, Analytical Chemistry Division, BARC, Mumbai. She effectively shared the basic ideas about fluorescence spectroscopy and she gave several examples for non-destructive analysis using X-ray fluorescence. She also explained the limitations of this technique in the area of organic analysis.



Dr. Remya Devi P. S handling the technical session

The major attraction of the Trendz seminar series was the oral presentations given by our post graduate students. Ms. Amina Seheed, MSc. S4 presented her work on Synthesis of Spirocyclic

Heterocycles & Bioactivities. Ms. Arya K.J., Msc. S4 gave a presentation on Adsorptive Removal of Phosphate Using Calcinated Clay-egg shell Composite. Mr. Abhijith A.K., Msc. S4 talked about Crystal Growth Characterization & Structural Studies of Co(II) Coordination Polymer With Pyromellitic Acid and Ms. Preethika Pradeep, Msc. S4 presented her work on Crystal Growth & Structural Studies of Calcium Complex of 4,5-imidazole dicarboxylic acid.

Advantages of Synchrotron Radiation

- High intensity → higher count rate → higher sensitivity → Lower detection limit
- Polarized → low background
- Tunable
- Monochromatic

Detection limits (mg kg⁻¹) of analytes in graphite

Element	Synchrotron-EDXRF	Conventional ED-XRF
Ca	2	10
Mn	0.4	2
Co	0.25	2
Cu	0.05	0.5
Zn	0.06	0.6

Better detection limits in SR-XRF

Dr. Remya Devi P. S explaining the applications of X- ray fluorescence.

Invited Talk on “Ultrafast Processes in Chemical and Biological Systems” by Prof. Mahesh

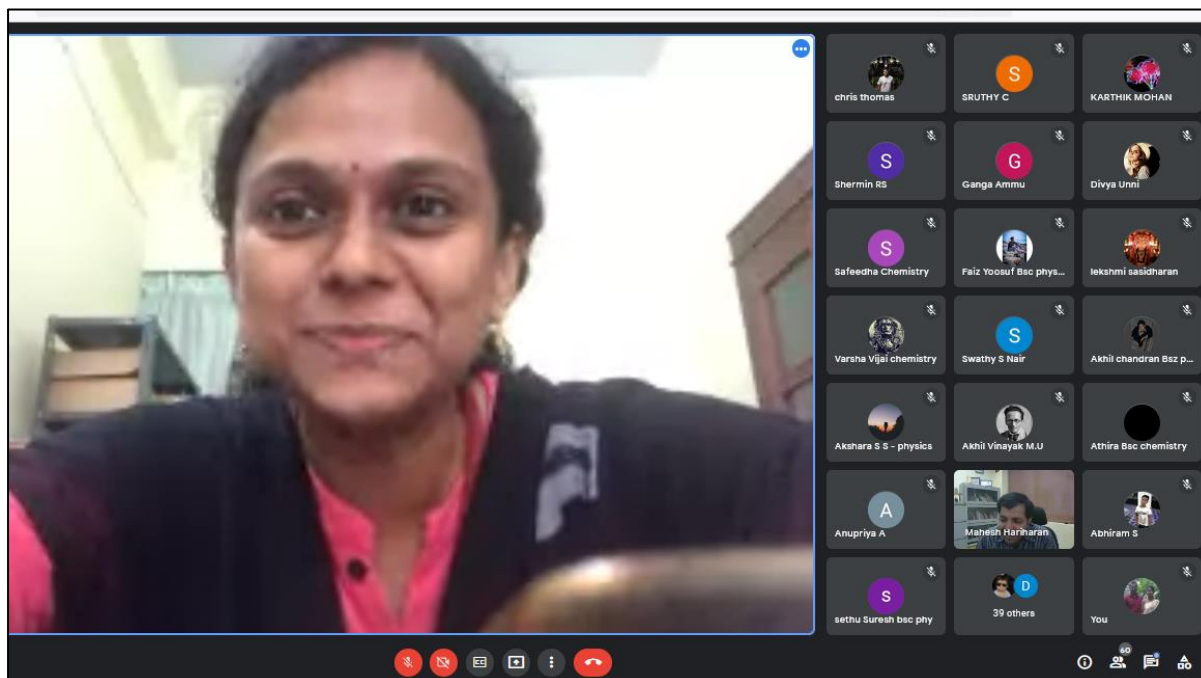
Applications of X-rays

- Cosmology:** x-ray astronomy, radiation defects
- Fusion research:** plasma diagnostics, wave lengths, interlines, cross sections
- Metrology:** calibration lines
- Medicine:** radiation therapy, radiation biology, radiation medicine
- R & D:** QED atoms, structure, plasma physics, x-ray microscopy

X rays used for characterization of materials: **X-ray spectroscopy**

Basis of all such applications:
Various physical /chemical changes occurring upon interaction of X-rays with matter

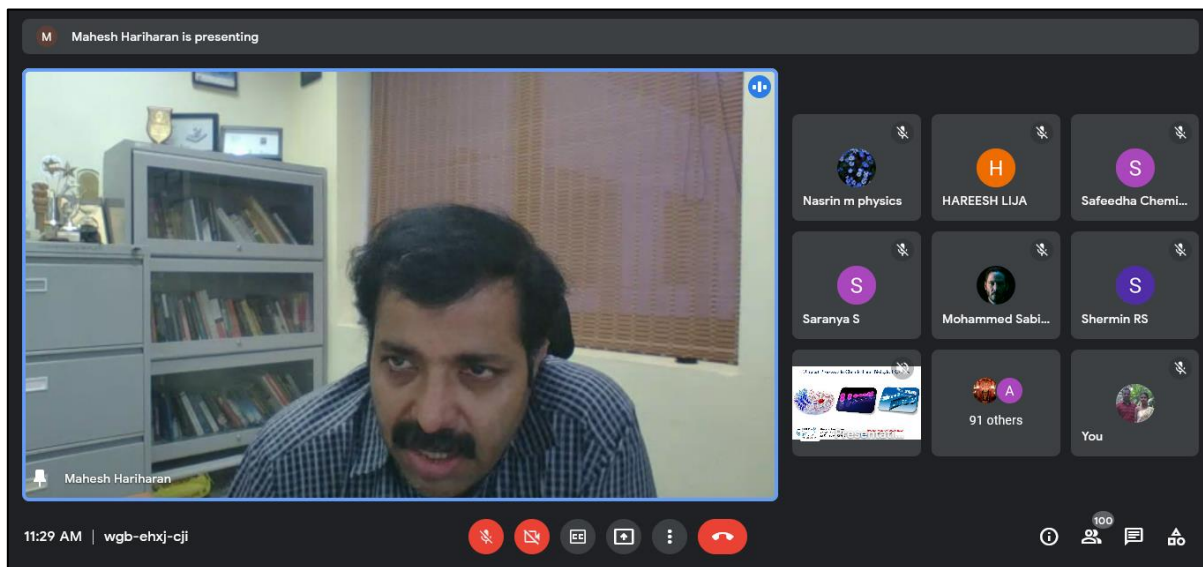
Hariharan, Professor and Head, School of Chemistry, IISER, Trivandrum, on 27th July 2021.



Smt. Reshmi Jaya Raveendran, Head, Dept. of Chemistry delivering welcome address



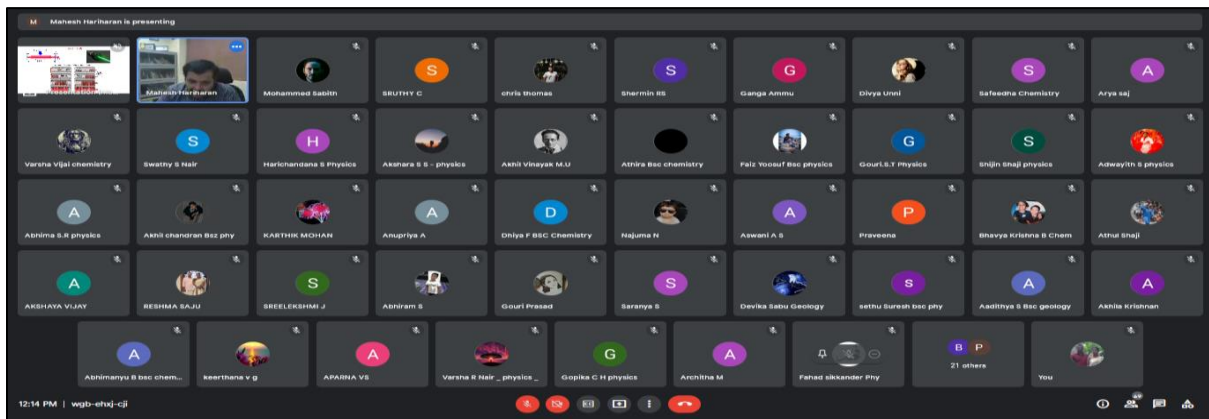
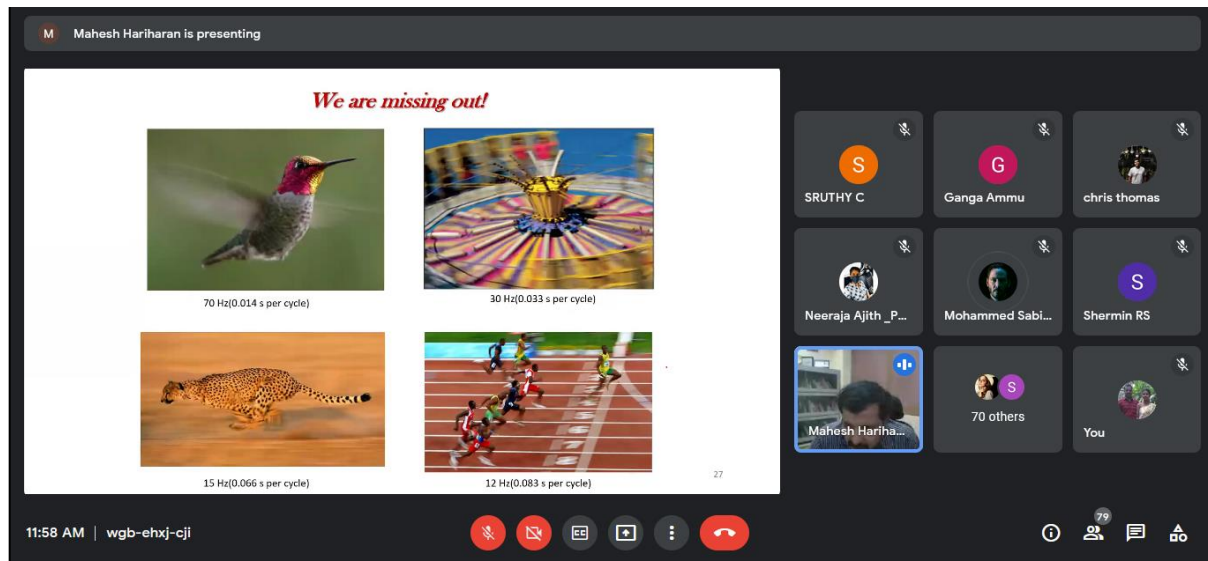
Dr. K.C. Preetha, Principal delivering presidential address



Prof. Mahesh Hariharan delivering the lecture on Ultrafast Processes in Chemical and Biological Systems.

Prof. Hariharangave a wonderful lecture on Ultrafast Processes in Chemical and Biological Systems. In beginning of the session, he shared his knowledge about the future opportunities for our UG students in the research areas of basic science and inspired our students with his insight.

He delivered a thought-provoking talk on the topic “*Ultrafast Processes in Chemical and Biological Systems*”. He explained the applications of ultrafast processes in various fields such as femtosecond spectroscopy to understand the mechanism of chemical reactions. He also gave a brief idea on basic principles of visual spectroscopy and time resolved spectroscopy. He concluded the session by encouraging our students to come forward to the modern research field of photochemistry.

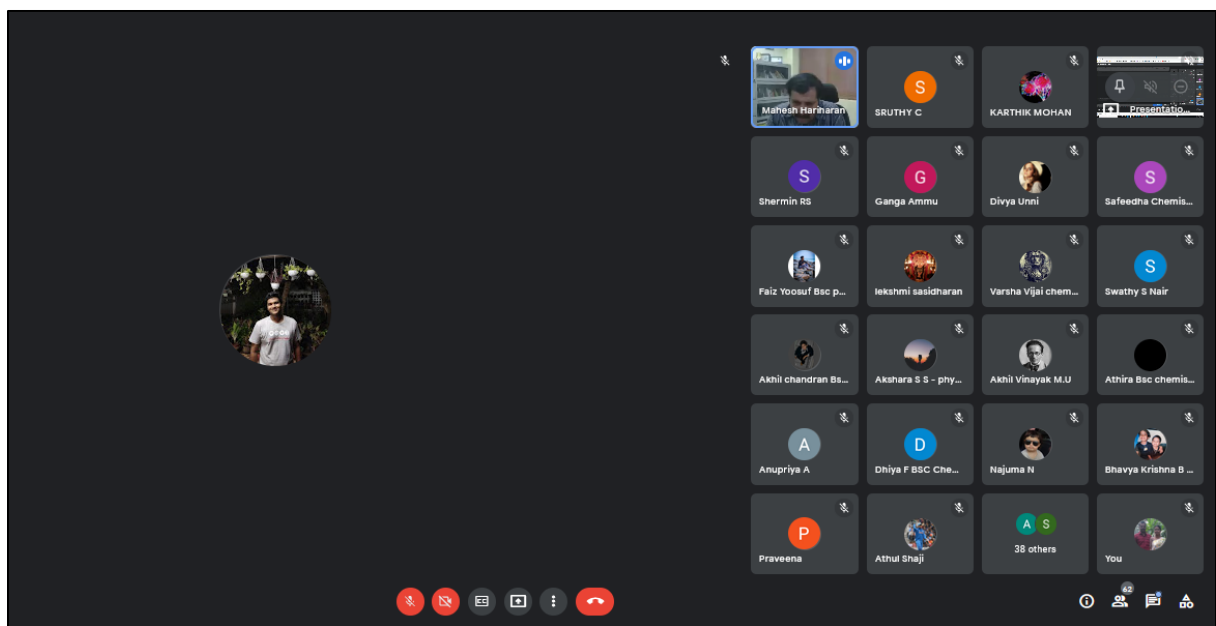


Prof. Hariharan explaining about visual spectroscopy

There was an interacting session after his lecture when students interacted with him to clear their doubts.

Participants of the webinar

Chris Thomas, 2nd semester B.Sc. Geology interacting with Prof. Hariharan



Programmes organized in the month of June 2021

World environment Day was celebrated on 5th June, 2021

DEPARTMENT OF BOTANY

REPORT OF ACTIVITIES & ACHIEVEMENTS 2020-2021

FACULTY DETAILS

Sl. No.	Name of Faculty	Designation	Qualification
1	Dr.Hima R	Assistant Professor	MSc, MEd, PhD
2	DrSmitha PD	Assistant Professor	MSc, MPhil, MEd, PhD
3	DrBiju C	Assistant Professor	MSc, MPhil, MEd, PhD

ACHIEVEMENTS BY STUDENTS

Result (2021)

No of students appeared	No of students passed	Pass %
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41	26	63.41
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- Jofin Joy & Sarun of II year botany bagged **III runners-up** in the Kerala University Intercollegiate **tennis tournament** for men

STUDENT PROFILE

Class (Yr)	Subject & Sanctioned strength	No. of students			Out of Which PH			Out of Which SC			Out of Which ST			Out of Which OBC		
		B	G	T	B	G	T	B	G	T	B	G	T	B	G	T
I	BSc	9	41	50	-	-	-	4	6	10	-	-	-	4	28	32
II	Botany	10	36	46	-	-	-	1	7	8	-	1	1	6	26	32
III	32	8	32	41	-	1	1	1	5	6	-	-	-	4	13	17

ACHIEVEMENTS OF FACULTY

Dr.HIMA R

- HoD, CLMC Co-ordinator,
- Member - IQAC, College Council, Discipline committee, Nature club, student ID, planning board-college
- Organised National Webinar on **Plant Biodiversity of India: Status and Trends** on 05/06/2020.
- Participated & successfully completed the one week online **short term Faculty Development Programme** on **'ICT tools for Teaching Learning Process – Post Pandemic Educational Strategies'** which was delivered as MOOC with four quadrants, organized by Dept. of Physics & IQAC SreeNarayana College, Kollam in collaboration with the Kerala State Higher Education Council from August 17- 23, 2020

Dr.Smitha PD

- Nodal officer for Star Scheme programme
- Co-ordinator- energy conservation & Environmental club
- Member – health education club, Tutorial system & library committee

REFRESHER/ ORIENTATION

1. Participated in the UGC- Sponsored Orientation Programme conducted by the Human Resource Development Centre, University of Kerala, Kariavattom from 03/01/ 2020 to 23/01/2020.

2. Participated in UGC- Sponsored Online Inter Disciplinary Refresher course conducted by Human Resource Development Centre, University of Kannur from 05-01-2021 to 18-01-2021

Participation

1. Webinar on “Molecular diagnostic platforms through Chemistry, Biology and Nanobiotechnology”, Department of Botany, University of Kerala, Kariavattom on 21st August, 2020
2. Webinar on “Interpreting plant taxonomy” PG and Research Department of Botany. SreeNarayana College, Kollam on 3rd August 2020.
3. Webinar on “Covid 19 and climate change” Department of Biotechnology, JDT Islam College of Arts and Science, Vellimadukunnu on June 6th 2020.
4. Webinar on “Plant Biodiversity of India ,Status and Trends”. Department of Botany. SreeNarayana College, Sivagiri, Varkala on 5th June 2020.

1. Received a certificate of excellence in reviewing **Asian Journal of Agriculture-2020**
2. Received a certificate of excellence in reviewing **Annual Research and Review in Biology-2020**
3. Received a certificate of contribution in reviewing an article in **International journal of Horticultural Science and Ornamental plants -23/10/2020**

PUBLISHED

1. Smitha PD, Binoy KR, and Ashalatha S Nair (2020). Enhanced secondary somatic embryogenesis in suspension culture of four diploid banana cultivars from Kerala. International Journal of Fruit Science. DOI:10.1080/15538362.2020.1768615

Dr. BIJU C

Co-ordinator – Forestry Club, College Research Journal

Member – IQAC, Purchase Committee, Website, Nature club

Seminar/Webinar attended

- Attended International Webinar on “Sports nutrition and Immunity, the role of diary foods and other sports drinks-2020” organized by St.Aloysius College, Mangaluru, Karnataka on 29th & 30th June 2020

- Attended National Webinar on “NAAC : Quality enhancement strategies and preparation of SSR” organized by Malabar College of Advanced Studies, Vengara, Malappuram on 27th June 2020
- Attended National Level Webinar on “Project based Learning for Pedagogy” organized by S.PreethiB.Ed College, Arasannoor, Sivagangai, Tamilnadu on 23rd June 2020
- Attended Webinar on “Live long : Live fit” organized by MSM College, Kayamkulam, on 20th June 2020
- Attended National Webinar on “Integrated Medicine for next Generation : Sidha’s perspectives” organized by NandhaSidha Medical College, Erode, Tamilnadu on 19th June 2020
- Attended Webinar on “Research Innovations and Extension” organized by KhadirMohideen College, Adirampattinam, Thanjavur, on 15th June 2020
- Attended Webinar on “Generation of Genomic Resources and usage Bioinformatics Tool” organized by VO Chidambaram College, Thoothukkudi, on 9th June 2020
- Attended International Webinar Series on “Plant Functional Biology” organized by Sir Syed College, Kannur and Higher Education Council from 5th June to 7th June 2020
- Attended Webinar on “Dream big” organized by VO Chidambaram College, Thoothukkudi, on 6th June 2020
- Attended National Webinar on “Plant Biodiversity of India : Status & Trends” organized by SreeNarayana College, Varkala, on 5th June 2020
- Attended Webinar on “Literary Criticism to Literary Research” organized by Nesamony Memorial Christian College, Marthandam, Tamilnadu on 3rd June 2020
- Attended National Level Webinar on “Intellectual Property Rights” organized by Sankara College of Science and Commerce, Coimbatore, Tamilnadu on 2nd June 2020
- Attended Webinar on “Rejig Language skills to equip post pandemic Era” organized by Nesamony Memorial Christian College, Marthandam, Tamilnadu on 2nd June 2020

DEPARTMENT ACTIVITIES

□ WEBINAR

In connection with world environment day celebrations, Department of Botany in association with IQAC conducted a Poster competition based on the theme '**green**

technology for future 'on 03/06/2020 and a National Webinar on '**Plant Biodiversity of India: Status and Trends**' on 05/06/2020.

The theme of the world Environment Day 2020 is "Time for the Nature" with focus on its role in providing the essential infrastructure that supports life on earth and human development. Biodiversity is one of the life supporting components apart from air, water and climate given by the nature based on which life exist in the planet quite naturally. The focus of the event (World Environment day) is to create an awareness among the public on the importance of nature and provide an opportunity for driving the momentum to develop a resilience or harmonial relationship between nature and human being. The lecture focuses on the "**Plant Biodiversity of India: Status and trends** "in line with the theme of Environment Day Celebration so that the students of Botany could understand and appreciate our Biodiversity and also induce interest to protect them not only for our sustenance but also for our future generation as well.

Dr.Hima R,HOD of Botany Department co-ordinated the programme. Former Director of Jawaharlal Nehru Tropical Botanic Garden and Research Institute, **Dr. A J Pandurangan** was the resource person.About 200 participants including Students, Research scholars& teachers from various States participated in the Seminar. Vote of thanks was given by Dr.Smitha P D



Webinar Youtube link:

<https://www.youtube.com/watch?v=cySg2yJOojM&feature=youtu.be>

- A MoU is executed between Department of Botany and Biogenix Research Centre, Centre for Molecular Biology and Applied Sciences, Thiruvananthapuram on 15th October 2020.

- **Visit to Botanic Garden**

Department of Botany arranged a study tour for the 6th semester Botany students to **Jawaharlal Nehru Tropical Botanic Garden and Research Institute, Palode**, under the **Star Scheme Programme** on 12th February 2021. KSCSTE - JNTBGRI is the only organization in India, which maintains a 300 acre conservatory garden for the wild tropical plant genetic resources of the country, besides a multidisciplinary R & D system dealing with conservation, management and sustainable utilization of tropical plant resources.



Glass house

Bamboosetum

- **Invited talk**

On 03/03/2021, Department of Botany organized invited talks under **Star Scheme Programme**. The programme started at 10.00am with an invocation. Dr. K C Preetha, Principal of the college, presided over the function. Welcome speech was delivered by Dr. Smitha, co-ordinator of the programme and also the nodal officer-DBT Star Scheme. Guests were introduced by Dr. Hima R, HOD of the Department. Programme was inaugurated by the Guests - Dr. K B Ramesh Kumar and Dr. Raj Kumar. Dr. Leji, Co-ordinator of DBT star programme felicitated the meeting. Goutham Sunil of III BSc Botany, expressed vote of thanks.

In the morning session, **Dr. K B Ramesh Kumar**, Senior Scientist, Phytochemistry and Phytopharmacology Division, JNTBGRI, made an invited talk on '**Phytochemical Techniques**'. In his talk, he stressed on various aspects in phytochemical research which involves selection of plant, extraction of the plant material with suitable solvents, separation and purification of the constituents from the extract by chromatography.

In the afternoon session, **Dr. Rajkumar**, Senior scientist, Plant Systematics & Evolutionary Science, JNTBGRI, Palode, delivered a talk on '**Herbarium Techniques**'. He talked on various aspects like collection of plants, pressing, drying, mounting on herbarium sheets, labeling, filing of specimens etc.

Both talks were very informative and students lively participated in the discussions.



Dr. Ramesh kumar Dr. Raj kumar

□ **Workshop on 'Application of Gas Chromatograph- Mass Spectrometer (GC-MS) in Aromatic plant research**

Department of Botany, under Star scheme support, arranged a one day workshop on 'GC-MS for III BSc Botany students in the phytochemical & phytopharmacology division at JNTBGRI, palode. Those students who are interested in research activities are taken to the lab of JNTBGRI. A total of 19 students were benefitted. Since the lab can accommodate 10 students at a stretch, they were grouped into two batches in 2 different days. This workshop helped them to understand the type of work going on in this lab. The workshop included Extraction of plant material (Lemon grass) using Soxhlet distillation, Separation of plant compounds (TLC & column chromatography and Characterization techniques. They got an opportunity to visit the - GC-MS lab and know about one of the latest techniques in Phytochemistry. This workshop was a motivation for at least some of the students to engage in research in future in their area of interest.

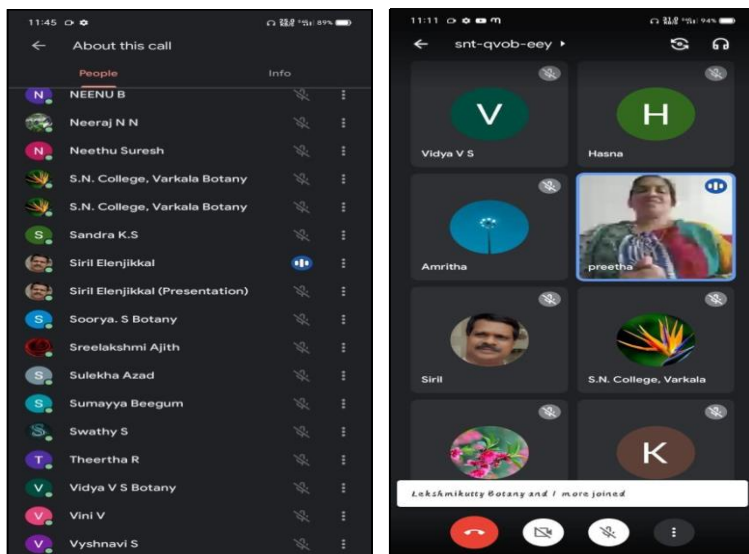


Students in phytochemistry lab

- As part of the TRENZ series of seminars, Department of Botany also organised a seminar on 'Botany, a passion, a career and research' on 19th May 2021. Dr. K C Preetha, Principal, S N College, Varkala inaugurated the seminar. The resource person was Dr. P M Radhamany, Professor, department of Botany, University of Kerala, Kariavattom. In her talk, she gave a detailed account of the requirements for career in Botany, the most common and preferred vocations, what is after MSc for higher studies and specialist jobs, areas where botanists can become experts, research institutes in Kerala etc. She also explained the active principles of some common plants. After the seminar, there was paper presentation by 4th sem students. The programme was convened by Dr. Hima R, HOD, Department of Botany

SREE NARAYANA COLLEGE, SIVAGIRI, VARKALA. DEPARTMENT OF BOTANY & IQAC	
TRENDZ SEMINAR SERIES-2021	
19th May 2021 on Google meet platform @ 11 am	
Topic : "Botany- a passion, a career & research"	
PROGRAMME SCHEDULE:-	
Prayer	: STUDENTS
Welcome	: Dr.HIMA.R (convener)
Inaugural Address	: Dr.K.C.PREETHA (Principal)
Felicitation	: Sri.AJI.S.R.M (SN Trust Executive member)
Introducing the speaker	: Dr.SMITHA P D (Assistant Professor, Dept. of Botany)
Invited Talk	: Dr.P.M.RADHAMANY (Professor, Dept. of Botany, University of Kerala, Kariyavattom)
Student Session	: (Sulekha B T) MANGROVES (Laya J) BIODIVERSITY (Hasna J) ENVIRONMENTAL POLLUTION
Vote of Thanks	: Dr.BIJU C (Assistant Professor, Dept. of Botany)
ORGANIZING COMMITTEE:-	
Parton	: Sri.Vellapally Natesan(Manager, S N Colleges)
Chairman	: Dr.K.C.Preetha (Principal)
Convener	: Dr.Hima.R (HOD, Dept. of Botany)
Members	: Dr.Smitha P D, (Assistant Professor, Dept. of Botany) Dr.Biju C (Assistant Professor, Dept. of Botany)

A seminar on was organised by the Department of Botany on ‘**How to do a science project?**’ on May 28th 2021.The meeting was presided over by the Principal, Dr.K C Preetha. The resource person was Dr. E A Siril, Professor, Department of Botany, University of Kerala, Kariavattom. He explained the steps in doing a science project- selection of topic, Review of literature, hypothesis formation, design experiments to test hypothesis, recording data, arriving at conclusions, writing areport etc. After the seminar, there was paper presentation.The programme was convened by Dr.Smitha P D.



SREE NARAYANA COLLEGE
Sivagiri, Varkala.

Department of Botany organizes a webinar
28th May 2021 on Google meet platform @ 11 am

Topic : “How to do a Science Project”

PROGRAMME SCHEDULE:-

Prayer	: STUDENTS
Welcome	: Dr.HIMA.R
Inaugural Address	: Dr.K.C.PREETHA (Principal)
Introducing the speaker	: Dr.SMITHA P D (Assistant Professor, Dept. of Botany)
Invited Talk	: Dr.E.A.SIRIL (Professor, Dept. of Botany, University of Kerala)
Student Session	: (Inshamol N) INSECTIVOROUS PLANTS
Vote of Thanks	: Dr.BIJU C (Assistant Professor, Dept. of Botany)

ORGANIZING COMMITTEE:-

Parton	: Sri.Vellapally Natesan (Manager, S N Colleges)
Chairman	: Dr.K.C.Preetha (Principal)
Convener	: Dr.Hima.R (HOD, Dept. of Botany)
Members	: Dr.Smitha P D, (Assistant Professor, Dept. of Botany) Dr.Biju C (Assistant Professor, Dept. of Botany)

- A webinar was organised by the Department of Botany in connection with the ‘**World Mangrove day**’ on July 26th 2021. **Dr. K C Preetha**, Principal of this college, inaugurated the webinar. The aim of the programme was to make an awareness among the students about the importance of Mangroves and the need for their conservation. **Dr. Abhilash R**, Assistant Professor, P.G Department of Zoology, Christian College, Chengannur was the Resource person and talked on the topic ‘**Mangrove: Our Bio-shields**’. He discussed about the characteristics, importance, the present status & the need for the conservation of Mangroves. At the end of the session, there was a discussion in which students actively participated. 2nd

and 5th semester Botany and Zoology students participated in the webinar. **Dr.Hima R** coordinated the meeting.



World Mangrove Day July 26
SreeNarayana College, Sivagiri, Varkala
Department of Botany

Organises a Webinar on
Mangrove: Our Bio-shields

Resource person:



Dr.Abhilash R
Assistant Professor, P.G Department of Zoology,
Christian College, Chengannur

Date: 26/07/2021

Time: 5.30pm

Platform: Google Meet

Organising Committee:

Patron: **Sri.VellapallyNatesan**(Manager, S.N Trusts)

Chairman: **Dr. K C Preetha**(Principal, S.N College, Varkala)

Dr.Hima R (HoD& Co-ordinator)

Dr.Smitha P D (Assistant Professor)

Dr.Biju C (Assistant Professor)

PG DEPARTMENT OF COMMERCE & HOTEL MANAGEMENT & CATERING

Courses Offered: B.Com finance, B.Com Hotel Management & Catering, M.Com International Trade

List of Teachers:

Sl. No	Name of Teacher	Designation	Years of Experience	Nature of Appointment
1	Dr. Soju S	Assistant Professor	16 years 11 months	Permanent
2	Jubilee S V	Assistant Professor	10 years 5 months	Permanent
3	Lekshmi J	Assistant Professor	10 years 5 months	Permanent
4	Dr.LekshmyPrasannan	Assistant Professor	8 years 10 months	Permanent
5	Dr. Sidhukumar N	Assistant Professor	8 years 10 months	Permanent
5	Dr. RinkuBabu	Assistant Professor	5 year 4 months	Permanent

7	Adv. Joy Bhaskar	Part time Law Lecturer	24 years	Part time
8	Nina Sathyan	Guest Lecturer	4 years	Guest Lecturer
9	PoojaPrasanth	Guest Lecturer	10 months	Guest Lecturer

List of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. :

<u>NAME OF FACULTY</u>	<u>ICT USAGE</u>
Dr.Soju.S	Googleclassroom,googlemeet,teachmint,Whatsapp, Telegram and powepoint presentation
Ms.Jubilie.S.V	Googleclassroom,googlemeet,YouTube Live class, Kahoot,Whatsapp, Telegram and powepoint presentation
Ms.Lekshmi.J	Googleclassroom,googlemeet,Whatsapp, Telegram and powerpoint presentation
Dr.Lekshmy Prasannan	Googleclassroom,googlemeet, Whatsapp, Telegram and powerpoint presentation
Dr.SiduKumar.N	Googleclassroom,googlemeet, Whatsapp, Telegram and powerpoint presentation
Dr.Rinku Babu	Googleclassroom,googlemeet, Whatsapp, Telegram and powerpoint presentation
Ms.Nina Sathyan	Googleclassroom,googlemeet, Whatsapp, Telegram and powerpoint presentation

Ms.Pooja Prasanth	Googleclassroom,googlemeet, Whatsapp, Telegram and powerpoint presentation
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Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

- DrLekshmyPrasannan: Being granted recognition as research supervisor in faculty of commerce on 18-12-2020

Result Analysis- Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass Percentage
159	Bcom Finance	Finance	74	65	87.84%
339	Bcom HM	Hotel Management	47	23	48.94%

Research Publications in the Journals

Sl.No	Name of State/National	ISSN/ISBN	Name of Journal	Average
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	Teacher/Student	/International			Impact Factor (if any)
1.	Dr LekshmyPrasannan	State	2230-8431	Management Researcher(Peer reviewed)	

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

Sl.No	Name of Teacher/Student	of State/National /International	ISSN/ISBN	Name of Journal/Book	Average Impact Factor (if any)
1	Jubilee S V	National	ISBN NO 978-93- 89488-31-9.	Advertising	Nil
2	Lekshmi.J		ISBN : 978- 93-90188- 07-9	Recent Trends in Business and Management	

3	Dr.LekshmyPrasannan		ISBN : 978-93-90188-07-9	Recent Trends in Business and Management	

Faculty participation in Seminars/Conferences and Symposia during the year :

No. of Faculty	International	National	State	Local
Jubilee S V	8	10	3	
Lekshmi.J	8	9	3	
Dr LekshmyPrasannan	8	9	3	
Dr Rinku Babu	3	9		

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers

			participated under MoUs
Hindustan Beach Retreat ,Varkala	21-12-2020	Training to Hotel Management students	

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Jubilie S V	INFORMATICS LAW AND PRACTICE	OER COMMONS	06/11/2020
Jubilie S V	Enhancing Soft Skills and Personality	NPTEL	11/09/2020

List of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Name of Teacher	Title of the professional development programme	From Date	To date	Duration in day
Jubilie S V	National Level Online	31/05/2021	2/06/2021	3 days

	Faculty Development Programme on E-Content Development			
Jubilie S V	International Professional Development Programme on “Effective and Quality Research Writing – Phase II	7/06/2021	15/06/2021	8 Days
Jubilie S V	National Level Faculty Development Programme on “Dynamics of Imparting Employability Skills and Industry Readiness in the Classroom”	21/06/2021	21/06/2021	1 Day
Jubilie S V	One Week Faculty Development Programme on “Edu.Tech Hands on Online Workshop”	23/06/2021	28/06/2021	5 Days
Lekshmi.J	UGC Sponsored live online shortterm course in student counseling&mentoring	20-08-2020	26-08-2020	7 days

DrLekshmyPrasannan	UGC Sponsored live online shortterm course in student counseling&mentoring	20-08-2020	26-08-2020	7 Days
DrLekshmyPrasannan	UGC sponsored live online refresher course in commerce & Management	17-11-2020	30-11-2020	14 days
DrLekshmyPrasannan	KSHEC Sponsored One week Faculty Development Programme	23-5-2020	29-05-2020	7 days
DrRinkuBabu	UGC sponsored live online refresher course in commerce & Management	17-11-2020	30-11-2020	14 days

Dept Activities - 2020-21

1. Observance of World Investor Awareness Week – 23rd November to 29th November and Investor Awareness Programme for Teachers and students:

Investors' club of Dept of commerce organized a webinar for teachers as part of the observance of World Investors 'week on the **topic 'Investor Education and Awareness'**. The webinar created awareness among teachers and students on how to build long term wealth, explore savings option and retirement planning. It was

conducted on **27th November, 2020** using **zoom platform**. Teachers and students from various departments of SN College, Varkala and from other colleges also actively participated in the webinar. **Dr LekshmyPrasannan**, Assistant Professor of Commerce and convenor of of investors club coordinated the programme. **Sri Nagappan Nair**, who has almost 40 years of professional expertise in the banking industry with 20 years of exclusive teaching exposure was the resource person.

The screenshot shows a Zoom webinar interface. The main slide is titled "Determine what are you investing for?" and features a central diagram titled "GOAL BASED INVESTING". The diagram shows a central figure of a person at a desk with a lightbulb, surrounded by icons representing various goals: a person with a cane, an airplane, a car, a family, a house, and a stack of books. To the right of the diagram, the text reads: "ALWAYS INVEST IN AS WITH YOUR SPECIFIC FINANCIAL GOAL IN M". The slide also includes the AMFI logo in the bottom left corner. On the right side of the screen, there is a vertical list of participants: Dr Lekshmy Pra..., S.Nagappan Nair, Dr. Sarma G R, and Rinku Babu. The Zoom interface includes a toolbar at the top with options like Copy, Paste, Slides, Font, Paragraph, and Drawing. A sidebar on the left shows a list of slides, and a "Click to add notes" button is visible at the bottom left.

PROPERTY

MUTUAL FUNDS

GOLD

INSURANCE

BANK DEPOSITS

STOCKS

BONDS


AMFI

Dr. Lekshmy Pra...

S. Nagappan Nair

Sonia Soman

vivo 1606



SREE NARAYANA COLLEGE
Sivagiri, Varkala, Kerala
(Affiliated to University of Kerala, Reaccredited by NAAC with B grade)



**Post Graduate Department of Commerce,
Hotel Management and Catering**

Investors' Club
Cordially invites you to
Webinar on
“Investor Education and Awareness Programme”
(Educational initiative of SEBI)

- ⇒ Learn how to build long term wealth
- ⇒ Understand asset classes and investment options
- ⇒ Explore savings options and retirement planning

On
27th November 2020, Friday
Time : 7.00 pm

 **Platform : Zoom (1 Hr session)**

Prior Registration mandatory through attached Google form

Dr.Lekshmy Prasannan
(Co-ordinator, Investors' Club)

Dr.Soju.S
(Head, Dept of Commerce
& Co-ordinator, IQAC)

Dr.K.C.Preetha
(Principal)

2. Poster Designing Competition: The club organized an online poster making competition on the topic 'Investor education and awareness' for students of all disciplines. Many students actively participated in the event.



SREE NARAYANA COLLEGE

Sivagiri, Varkala, Kerala

(Affiliated to University of Kerala, Reaccredited by NAAC with B grade)



**Post Graduate Department of Commerce,
Hotel Management and Catering**

Investors' Club

Organizes

Poster Making Competition

Topic: Investor Awareness & Education

Greetings from Investors' Club, Post Graduate Department of Commerce, Hotel Management & Catering

We are happy to inform you that the Investors' Club, Post Graduate Department of Commerce, SN College, Varkala is observing World Investor Week 2020 (November 23-29, 2020). As part of this observance, a poster making competition is organized for the students of all departments. Interested participants can choose any topic related to Investor Education and Awareness.

For Registration:

<https://forms.gle/TPKMB3RPeiwaKTFn8>

Interested participants should join our WhatsApp group :

<https://chat.whatsapp.com/L8XePo0aL7YH2p1uE512KU>

Submission of poster should be done through email:

investorawareness2020@gmail.com

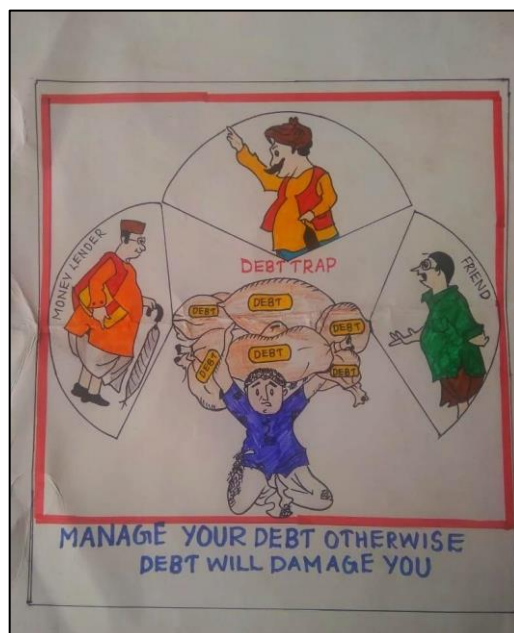
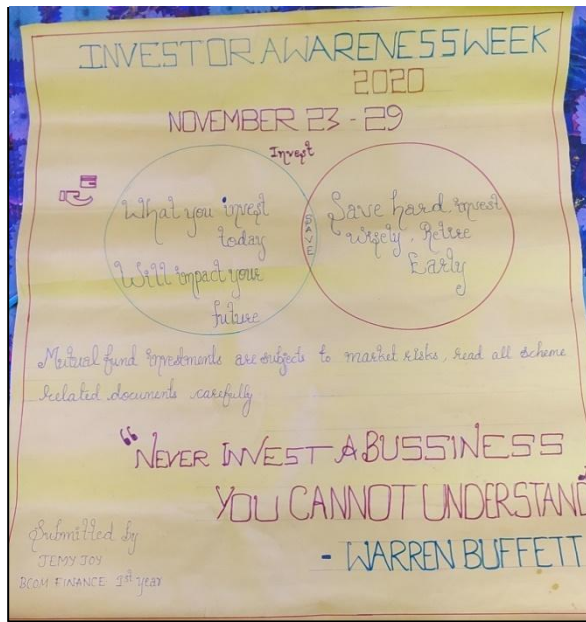
Last date for submission of Poster: 29-11-2020

Dr.Lekshmy Prasannan
(Co-ordinator, Investors' Club)

Dr.Soju.S
(Head, Dept of Commerce
& Co-ordinator, IQAC)

Dr.K.C.Preetha
(Principal)

For any queries, contact : Dr Lekshmy Prasannan(mob : 9895609939)



3. International Webinar on Significance of Behavioural Finance in Business In association with IQAC

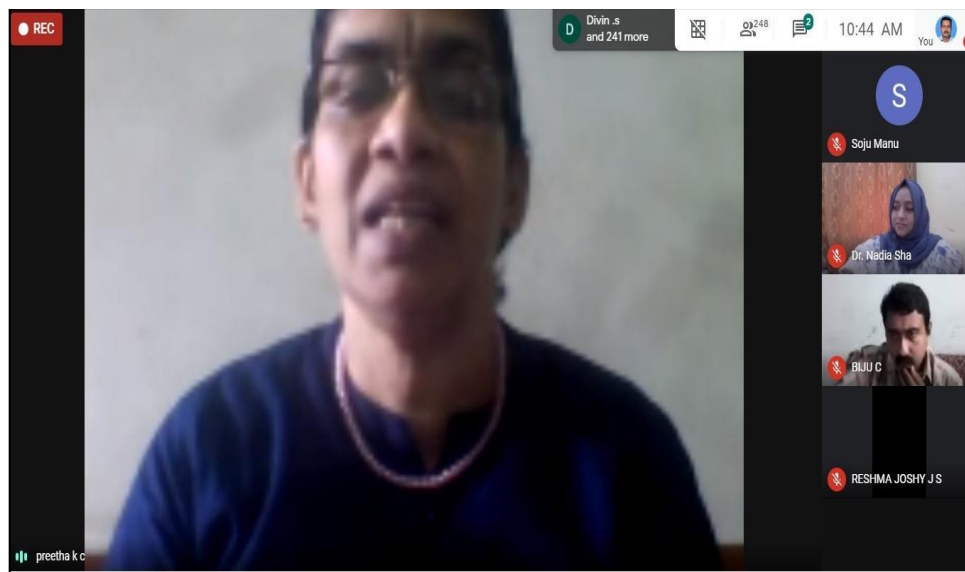
Date : 11th August 2020, Tuesday

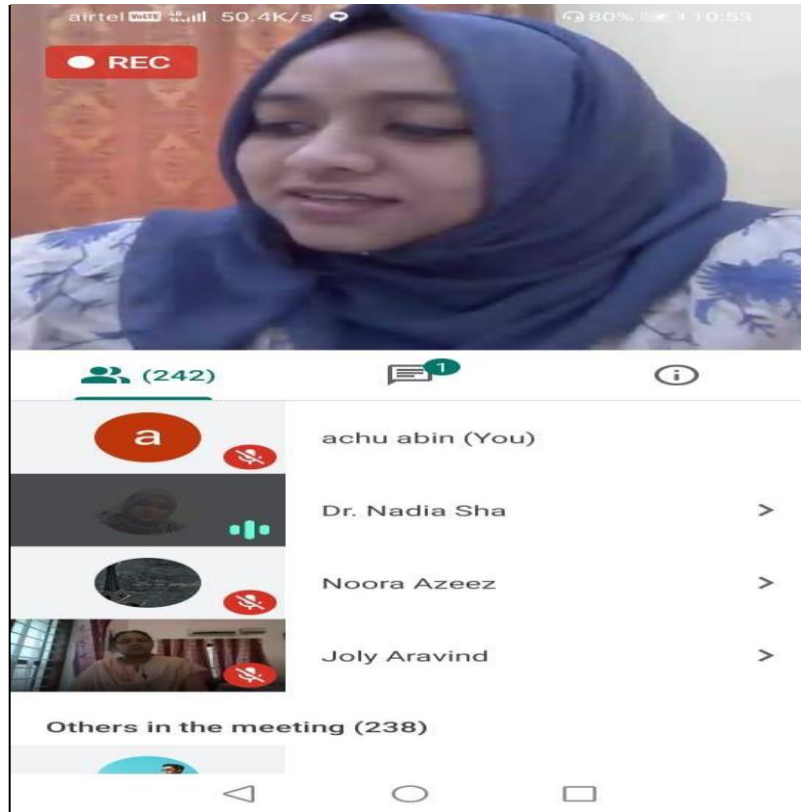
Time : 10.30 am

Resource Person: Dr.Nadia Sha, Assistant Professor, Department of Finance & Economics,) Dhofar University, Salalah, Oman

Coordinators: Ms.Lekshmi.J& Dr LekshmyPrasannan, Asst Professors of Commerce, SN College, Varkala

Department of Commerce & Hotel Management has organised an International Webinar On Significance of Behavioural Finance in Business In association with IQAC, on **11th August 2020**, Tuesday, 10:30 am. The Resource person of the Webinar was an Alumni of the Department, Dr.Nadia Sha, Assistant Professor, Department of Finance & Economics,) Dhofar University, Salalah, Oman.

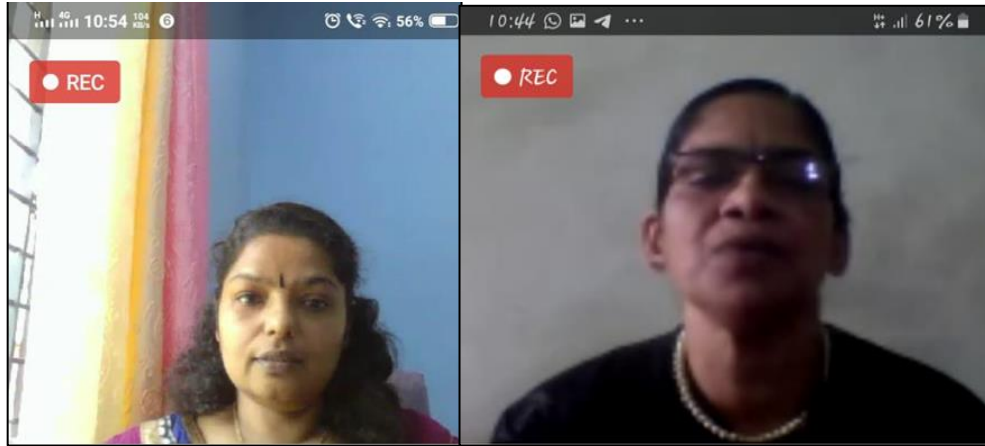




4. National Webinar on Post Covid Career Prospects in the Tourism and Hospitality Industry

A National webinar was organized by the Department of Commerce & Hotel Management based on the topic " Post Covid Career Prospects in Tourism and Hospitality Industry ". The event was held on **12th August 2020** at 10:30 am on Google Meet Platform. The session was led by the eminent **resource person Dr.Sindhu R Babu** , Assistant Professor of Tourism , School of Tourism Studies , Mahatma Gandhi University .

Coordinator: Dr Rinku Babu



DR. SINDHU.R. BABU

DR.K.C PREETHA

RESOURCE PERSON

PRINCIPAL, S.N COLLEGE, VARKALA

5. Workshop on Indian Accounting Standards and IFRS (Convergence to IFRS in India)

The One Day Offline Workshop on **INDIAN ACCOUNTING STANDARDS AND IFRS** was organized by PG Department of Commerce on 28/01/2021 Thursday at 10 am in seminar hall, Sree Narayana College, SivagiriVarkala as per Government Guidelines of COVID-19 Protocol. The Inaugural Address was given by **Dr. KC Preetha** , The Principal of Sree Narayana College SivagiriVarkala and the Welcome Address was done by Workshop Coordinator **Dr. Soju.S**, HOD of PG Department of Commerce, Sree Narayana College SivagiriVarkala. The Resource Person **CMA SHIBU GOPI** did an in depth discussion on the topic - Indian Accounting Standards and IFRS (Convergence to IFRS in India). The workshop was very useful and enlightening to both students and teachers.



6. Webinar on Business Research Methods

The PG Department of Commerce and Hotel Management, Sree Narayana College SivagiriVarkala was conducted a Webinar on **BUSINESS RESEARCH METHODS** On 24/05/2021 Monday at 10.30am via Google meet with 100 participants. This wonderful session was taken by **Prof. Dr.P.N.Harikumar** , University of Kerala and inaugurated by The Principal **Dr.KCPreetha**. The welcome speech was done by **Dr.Soju S**, HOD of Commerce Department. As a part of this session Paper presentation was done by our PG Students and it was coordinated by **Mrs. Jubilie S.V**, Assistant Professor of Commerce Department. The Resource person discussed Business Research Methods in a simple manner and it was very much informative and useful.

Papers Presented:

A study on women empowerment through self help groups in Kollam – Ms.Lekshmi.R.S., IstMcom students

A study on Financial Literacy level among nurses and drivers – MsSneha Joseph

A study on social problems faced by women entrepreneurs with special reference to AttingalMunicipality – MsMeenu.J.Pal

SREE NARAYANA COLLEGE, SIVAGIRI
PG DEPARTMENT OF COMMERCE & HOTEL MANAGEMENT

Trendz Webinar Series 2020-21

**BUSINESS
RESEARCH
METHODS**

24.05.2021, Monday at 10.30 am



Prof. (Dr.) P.N. Harikumar
University of Kerala

POST GRADUATE & RESEARCH DEPARTMENT OF ECONOMICS

Department Profile

The department of Economics was established in the year 1964 .The Post-Graduation Courses started in the year 1981 and the department became a research Center by 2006.Currently there are two batches for UG programme and one batch for PG programme .There are thirteen research scholars and five research guides associated with the research center.

Courses offered

The Department offers the following courses

- BA in Economics
- MA in Economics
- Ph.D

Teaching Staff

Sl.No.	Name	Designation
1	Dr. Vinod C Sugathan	Asst. Professor & HOD
2	Dr. Raji Raveendran	Asst. Professor
3	Syam Raj R	Asst. Professor
4	Dr. Jerry Alwin	Asst. Professor
5	Dr. Sreerenjini S C	Asst. Professor

6	MeghaRadhakrishnan	Asst. Professor
7	Anilakumary R	Asst. Professor
8	Namitha K Bhat	Asst. Professor
9	Dr. Mahima S	Asst. Professor
10	Dr. Deepika V S	Asst. Professor

Department Activities

Journal Published

The Department of Economics has an annual journal named ‘Ecknowledge’- journal of economic knowledge. First volume of the journal for the year 2020 was published in March 2021. The journal is the outcome of genuine efforts of the PG students and research scholars of the department. The Journal encourages the research aptitude of the students. As a support to the pioneer initiative of the student, the journal has an editorial board including the faculties of the department.

Programmes organized by the Department

1. National Webinar Series – Webinar 1, ‘Impact of Covid 19 on Kerala’s Economy’, organised by PG and Research Department of Economics, SreeNarayana College, Sivagiri, Varkala on 17th July, 2020. The resource person for the webinar was Prof. BAPrakash, Chairman of Fifth State Finance Commission. The coordinator of the webinar was Dr. Raji Raveendran.

2. Online Talk on “Call for Sustainability” organized by the Planning forum in association with Department of Economics on 5th December 2020. The resource person was Dr.P.S.SreekantanThampi, Former Deputy Director, Spices Board, Govt. of India. The coordinator of the talk was Dr.Sreerenjini S C.
3. Online Workshop on Financial Literacy organised by PG and Research Department of Economics, SreeNarayana College, Sivagiri, Varkala in association with SEBI, on March 24,2021. The resource person was Dr.Anitha V, Professor and head, Dept of Economics, University of Kerala. The coordinator of the webinar was Syam Raj R.

Teacher’s Achievements

Dr. Vinod C Sugathan.

1. Appointed as Charge Officer in Trivandrum International Airport from 27/12/2020 to 31/01/2021, for implement COVID 19 protocol, as per order DMA/01/2020/COVID/duty/01 dated 24/12/2020
2. Received ‘GURUSHESHTTA’ Award from SamasthanaMathyavarjanaSamithi on 26th January 2021
3. Completed the course on PGDCJ from Press Club on 2020
4. Joined MBA -2021-2022 (Evening) full time, IMK, University of Kerala.
5. Sri. Ratheesh Krishnan R, Assistant Professor, Department of Economics, Government college, Nedumanged, joined as part-time Research Scholar, in my guidance on March 2021.

Webinars Attended

1. International Webinar on ‘Global Pandemic Challenges: Recalibrating the Socio- Economic Mechanisms’ organised by the Department of Economics, SreeNarayana College for Women, Kollam, on 09th June, 2020.
2. National Webinar Series – Webinar 1, ‘Impact of Covid 19 on Kerala’s Economy’, organised by PG and Research Department of Economics, SreeNarayana College, Sivagiri, Varkala on 17th July, 2020.
3. International Webinar Series, Session 1, Covid 19 Pandemic :Methods to build a resilient Economy on 20th July 2020 organised by the Department of Economics, SreeNarayana College Chempazhanthy on 20th July, 2020.
4. International Webinar Series , Session 2, ‘The Pandemic and Environmental Issues’ on 20th July 2020 organised by the Department of Economics, SreeNarayana College Chempazhanthy on 21st July, 2020.
5. International Webinar Series, Session 3, ‘Winning the Covid War through AI and DS technology’ on 20th July 2020 organised by the Department of Economics, SreeNarayana College Chempazhanthy on 22nd July, 2020.

Dr.RajiRaveendran

Webinars Attended

1. Three day International Webinar Series on economic impact of COVID-19 organized by Department of Economics St.Teresa College, Ernakulam on 25 to 27th May 2020

2. International Webinar-DOCTRINA-12 organized by the Department of Economics & IQAC, Sir Syed College, Taliparamba, Kannur, Kerala, titled, “Impact of Covid-19 on Global Economy”, on 05-06-2020.
3. International Multidisciplinary Webinar CONVERGENCE- 2020 organized by the IQAC and the Department of Economics, S.E.S. College, Sreekandapuram, Kannur, Kerala titled “Digital Transformation Boom Across Industries During COVID Pandemic” on 05-06-2020.
4. International Webinar on ‘Global Pandemic Challenges: Recalibrating the Socio- Economic Mechanisms’ organised by the Department of Economics, SreeNarayana College for Women, Kollam, on 09th June, 2020.
5. International Webinar on Food Security and Small Scale Farmers in the context of COVID-19 Pandemic - An Asian Perspective organized by MIT World Peace University, PUNE in partnership with Marian College Kuttikkanam on 10.06.2020.

Mooc attended

1. A 12 weeks Course on Basic Econometrics offered by Gujarat University Ahmadabad. (From 06/07/20 to 10/10/20) in SWAYAM central portal .
2. A 15 weeks course on Mathematical economics offered by Doon University and Uttaranchal University, Dehradun (From 19-07-20 to 14-12-20) in SWAYAM Central portal.
3. A 7 weeks course in Financial Market offered by Yale University New Haven, Connecticut, US. in Coursera platform

Ph.D Awarded

Topic: “Resource Mobilisation For Development at Local Level: A Case Study of Property Tax of GramaPanchayats in Kerala” Awarded on 10/11/2020 from University of Kerala

Short term and Refresher course Attended

1. One Week online Short term Faculty Development Programme on “Implementation of Information and Communication Technology in Teaching” which was delivered as MOOC with four quadrants, organised by School of Legal Studies , Cochin University of Science and Technology in collaboration with The Kerala State Higher Education Council from 18-24 of July 2020.
2. UGC Sponsored live online Short term Course in Student Counseling and Mentoring Conducted by UGC-HRDC ,University of Kerala.Kariavattom, TVPM from 20-08-2020 to 26-08-2020.
3. UGC Sponsored live online Refresher Course in Women’s Studies&Women Empowerment (Multidisciplinary) Conducted by UGC-HRDC ,University of Kerala. Kariavattom,TVPM from 02-12-2020 to 15-12-2020.
4. UGC Sponsored live online Short term Course in Disaster management (Multidisciplinary) Conducted by UGC-HRDC ,University of Calicut from 26-02-2021 to 04-03-2021.

Syam Raj R

Webinars Attended

1. International Webinar on "Advances and Surprises in Geochemistry" organised by the Post Graduate Department of Geology in association with IQAC of SreeNarayana College, Sivagiri, Varkala on 09th August 2020.
2. International webinar on “ Significance of Behavioural Finance in Business” organized by Department of Commerce & Hotel Management in association with IQAC, SreeNarayana College, Sivagiri, Varkala on 11th August 2020.
3. One day National Webinar on “ POST COVID CAREER PROSPECTS IN THE TOURISM AND HOSPITALITY INDUSTRY” organized by Department

of Commerce & Hotel Management in association with IQAC, SreeNarayana College, Sivagiri, Varkala on 12th August 2020.

4. Webinar on “Requirement of professionalism in online teaching and learning” organized by IQAC, St. Michaels College, Cherthala on 14/08/2020.
5. National Webinar Organised by the Department of History & IQAC in collaboration with the Department of Archaeology, University of Kerala on the topic “Understanding the Indus Civilization in Gujarat through the Material Culture”, on 23/09/2020.

Dr. Jerry Alwin

Book Chapters

“**Trends and Patterns of Rural Poverty in India**”, Chapter 5 in Book “Rural Development and Indian Economy” (ISBN978-93-89488-43-2) edited by Binukumar B J, published by WIZCRAFT Publication, Mumbai

Invited Lectures

Resource Person for the National Webinar on “**Impact of Covid 19 on Kerala’s Economy and State Finances**” held on August 25th 2020 organized by NSS College Nemmara Palakkad

Short Term Courses Attended

1. UGC Sponsored live online Short term Course in **Research Methodology** conducted by UGC-HRDC ,University of Kerala. Kariavattom, Thiruvananthapuram from 17-12-2020 to 23-12-2020
2. Online Faculty Development Programme on **R Software** organized by Marthoma College, Thiruvalla and Spoken Tutorial Project, IIT, Mumbai from 07/09/2020 to 14/09/2020

Webinars Attended

1. International Webinar on ‘Global Pandemic Challenges: Recalibrating the Socio- Economic Mechanisms’ organised by the Department of Economics, SreeNarayana College for Women, Kollam, on 09th June, 2020.
2. National Webinar Series – Webinar 1, ‘Impact of Covid 19 on Kerala’s Economy’, organised by PG and Research Department of Economics, SreeNarayana College, Sivagiri, Varkala on 17th July, 2020.
3. International Webinar Series, Session 1, Covid 19 Pandemic :Methods to build a resilient Economy on 20th July 2020 organised by the Department of Economics, SreeNarayana College Chempazhanthy on 20th July, 2020.
4. International Webinar Series , Session 2, ‘The Pandemic and Environmental Issues’ on 20th July 2020 organised by the Department of Economics, SreeNarayana College Chempazhanthy on 21st July, 2020.
5. International Webinar Series, Session 3, ‘Winning the Covid War through AI and DS technology’ on 20th July 2020 organised by the Department of Economics, SreeNarayana College Chempazhanthy on 22nd July, 2020.
6. National Webinar on ‘Quantitative Analysis of Research Productivity-Role of Journal Indexing and Scientometrics’ organized by Central Library in association with IQAC on 8th August 2020
7. National Webinar on National Education Policy: Issues and Implications organized by IQAC, Bishop Speechly College for Advanced Studies, Kottayam on 7th August 2020

Dr.Sreeranjini S C

Short-term course attended

UGC Sponsored live online Short term Course in Student Counseling and Mentoring Conducted by UGC-HRDC , University of Kerala.Kariavattom,TVPM from 20-08-2020 to 26-08-2020.

Ph.D Awarded

Economics of healthcare: Potentials of health insurance in Kerala(topic) awarded on17/02/2021by the University of Kerala

Webinars Attended

1. International Webinar on ‘Global Pandemic Challenges: Recalibrating the Socio- Economic Mechanisms’ organised by the Department of Economics, SreeNarayana College for Women, Kollam, on 09th June, 2020
2. National Webinar Series – Webinar 1, ‘Impact of Covid 19 on Kerala’s Economy’, organised by PG and Research Department of Economics, SreeNarayana College, Sivagiri, Varkala on 17th July, 2020.
3. International Webinar Series, Session 1, Covid 19 Pandemic :Methods to build a resilient Economy on 20th July 2020 organised by the Department of Economics, SreeNarayana College Chempazhanthy on 20th July, 2020.
4. International Webinar Series , Session 2, ‘The Pandemic and Environmental Issues’ on 20th July 2020 organised by the Department of Economics, SreeNarayana College Chempazhanthy on 21st July, 2020.
5. International Webinar Series, Session 3, ‘Winning the Covid War through AI and DS technology’ on 20th July 2020 organised by the Department of Economics, SreeNarayana College Chempazhanthy on 22nd July, 2020.

MeghaRadakrishnan

Short Term Courses attended

Four-week Orientation Programme for Faculty in Universities/colleges /Institutes of Higher education, conducted by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry of Human Resource Development, from June 26th to July 24th, 2020.

Webinars Attended

1. Participated in International webinar on Covid 19 and its Impact on Global economy, organized by the Lead India Foundation, held on 13th August,2020
2. Participated in Lecture on “Mastering Academic Writing in the Social Sciences”, organized by the Post Graduate Department of Economics and Research Centre, Government College for Women, Thiruvananthapuram, held on 12-08-2020.
3. Participated in International webinar on ‘Data Visualization: How to Communicate Research effectively, organized by the Department of Economics, SN College, Kollam, on 24th July, 2020.
4. Participated in International webinar series session on ‘Covid 19 Pandemic: Methods to Build a Resilient Economy, organized by the Department of Economics, SN College, Chempazhanthy, on 20th July 2020.
5. Participated in International webinar series session on ‘The Pandemic and Environmental Issues’, organized by the Department of Economics, SN College, Chempazhanthy, on 21st July 2020.
6. Participated in International webinar series session on ‘Winning the Covid War through AI and DS Technology’, organized by the Department of Economics, SN College, Chempazhanthy, on 22nd July 2020.
7. Participated in International webinar on ‘How do you Write a High Impact Factor Paper’, organized by the Post Graduate and Research Department of Commerce on 7th June 2020

8. Participated in International webinar on ‘Global pandemic Challenges: Recalibrating the Socio-Economic Mechanisms, organized by the Department of Economics, SN College for Women, Kollam on 9th June,2020.
9. Participated in the two-day National Level Online FDP on ‘Covid 19 Pandemic: Social and Cultural Impact on the Society’, organized by the Nirmala College for Women, Coimbatore on 29th and 30th May,2020.

Anilakumary R

Book Chapters

“Empowerment of the marginalized through MGNREGA”, Chapter 23 page number 178-184, in Book “Rural Development and Indian Economy” (ISBN978-93-89488-43-2) edited by Binukumar B J, published by WIZCRAFT Publication, Mumbai.

Short Term Courses Attended

1. Online Faculty Development Programme on “*Managing online class and co-creating MOOCS;2.0*”organized by Ramanujan College , University of Delhi from May 18 to June 03, 2020.
2. Online Course on “*Getting started with data analysis on Microsoft Excel*” organized by Ramanujan College , University of Delhi in collaboration with Mathematical Science Foundation from August 4th to 17th 2020.

Webinars Attended

1. National Webinar ‘*Recent Economic Stimulus Package- An Appraisal*’, organised by PG Department of Economics, SreeNarayana College, Kannur on 30th May, 2020.
2. National Webinar Series – Webinar 1, ‘Impact of Covid 19 on Kerala’s Economy’, organised by PG and Research Department of Economics, SreeNarayana College, Sivagiri,Varkala on 17th July, 2020.

3. International Webinar Series, Session 1, Covid 19 Pandemic :Methods to build a resilient Economy on 20th July 2020 organised by the Department of Economics, SreeNarayana College Chempazhanchy on 20th July, 2020.
4. International Webinar Series , Session 2, ‘The Pandemic and Environmental Issues’ on 20th July 2020 organised by the Department of Economics, SreeNarayana College Chempazhanchy on 21stJuly, 2020.
5. International Webinar Series, Session 3, ‘Winning the Covid War through AI and DS technology’ on 20th July 2020 organised by the Department of Economics, SreeNarayana College Chempazhanchy on 22ndJuly, 2020.
6. National Webinar on "Nature Conservation in the time of Covid-19" organized by the Department of Zoology and Nature Club in association with IQAC of SreeNarayana College, Sivagiri, Varkala on 2nd AUGUST 2020.
7. National Webinar entitled “ *RECENT ECONOMIC POLICY REFORMS AND INSTITUTIONAL CHANGES IN INDIA*” Organized by The Department of Economics, SreeNarayana College for Women, Kollam, Kerala in Association with Indian Economic Association on 14th August, 2020.
8. National Webinar on Nutrigenetics, Synthetic Chemicals and Obesity organised by the Department of Chemistry, SreeNarayana College, Punalur on September 14, 2020

Namitha K Bhat

Webinars Attended

1. Participated in International Webinar on Global Pandemic Challenges: Recalibrating the Socio Economic Mechanisms organised by Department of Economics, SN College for Women, Kollam on 9th June, 2020.

2. Attended International Webinar on How Do you Write a High Impact Factor Paper organised by PG and Research Dept. of Commerce, MG College, Thiruvananthapuram on 7th June, 2020.
3. Attended International Webinar on The Systematic Impact of Covid 19 on Education Sector organised by PG and Research Dept. of History, Nirmala College for Women, Coimbatore on 19th and 20th June, 2020.
4. Participated in State Level Webinar on Advanced Academic Web Search Strategies organised by IQAC and College Library, St. Stephens College, Uzhavoor on 10th July, 2020.
5. Attended International Webinar on The Art of Publishing in Indexed Journals organised by PG and Research Dept. of Economics, JAIN (Deemed to be University) Kochi on 13th and 14th July, 2020.
6. Participated in National Webinar Series – Webinar 1, ‘Impact of Covid 19 on Kerala’s Economy’, organised by PG and Research Department of Economics, Sree Narayana College, Sivagiri, Varkala on 17th July, 2020.
7. Attended National Webinar on Economics of Indo-China Border Tensions organized by Dept. of Economics, SH College(Autonomous) Thevera, Kochi on 4th August, 2020.
8. Attended International Webinar on The Political Economy of Indian Indentured Labour in the 19th Century organised by Dept. of Economics, HHMSPBNSS College for Women, Neeramankara on 5th August, 2020.

Dr. Deepika V S

Book Published

“Labour Migration to Kerala: The Employers’ Perspective” (2021), Serials Publications (P) Ltd, New Delhi, ISBN: 978-81-950760-5-5

Webinars Attended

1. Attended and completed One-Week online Capacity Building Program on ‘Advanced Research Methodology’ from 14th December to 19th December organized by Western Regional Centre, ICSSR in association with Department of Commerce, University of Mumbai.
2. Participated in the Webinar on Union Budget 2021-22 Organized by the Department of Economics in Association with MalayalaManorama on February 5, 2021 at Fatima Mata National College (Autonomous), Kollam.

Student’s Achievements

- Akshay S, Nithin B (3rd year degree) participated and won 2nd prize in the Intercollegiate KhoKho Competition representing the College in September 2020
- Akshay S, Nithin B (3rd year degree) participated as the members of khokho team, University of Kerala in South zone Kho Kho Competition in February, 2021.
- Fidha.S.Fathima and Kailas Krishna of II BA participated in a quiz on Environment organized by BhoomitraSena, SN College, Varkala.

Students Details

Class	Total	Boys	Girls
3rd BA	135	33	102
2nd BA	141	51	90
1st BA	139	39	100

2 nd PG	19	3	16
1 st PG	21	3	18

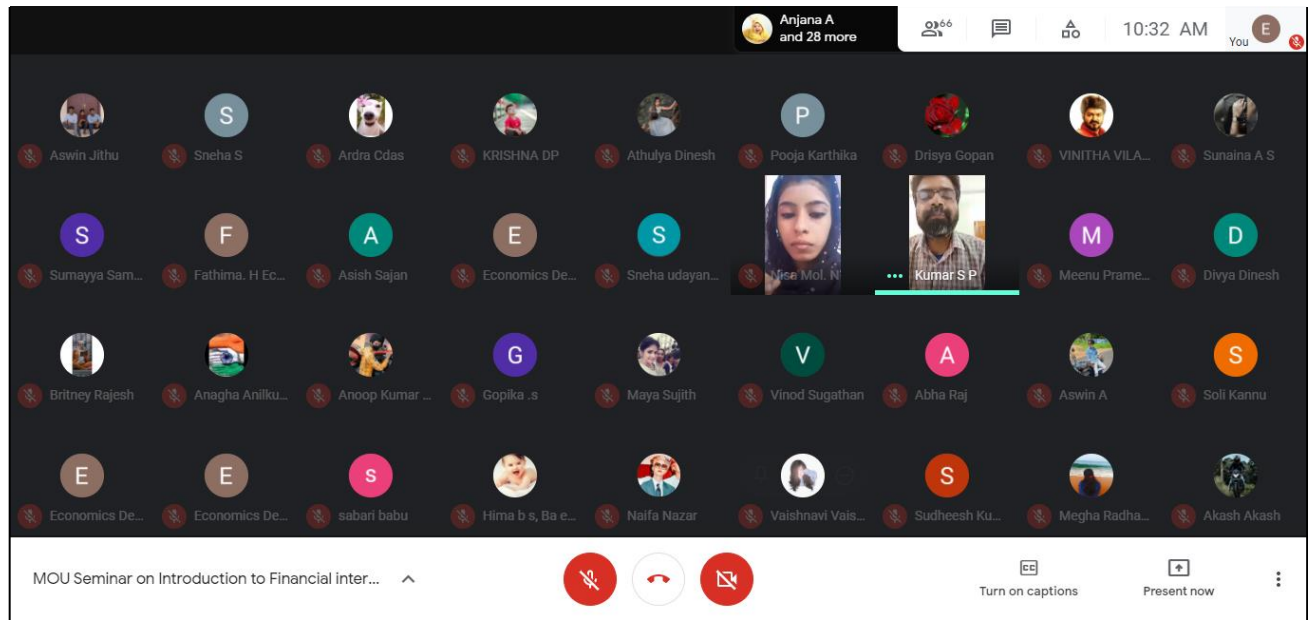
Result Analysis

Results - 2020-21

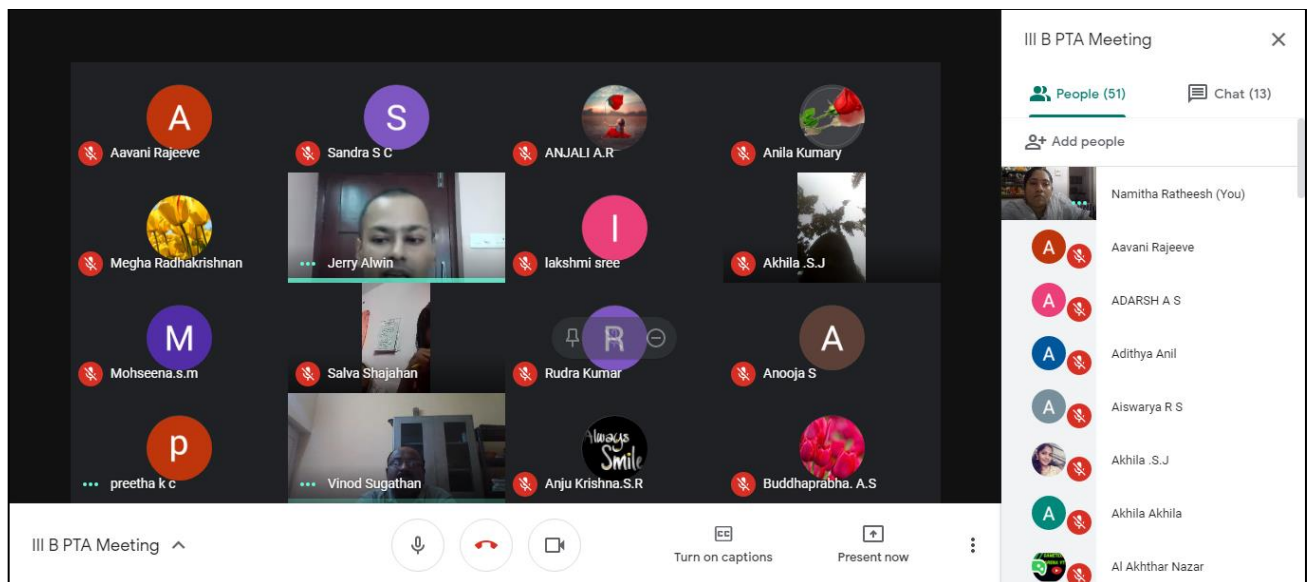
Programme	Passed Year	Appeared	Passed	Percentage
BA Economics	2021	132	75	56.82
MA Economics	2021	19	12	63.16

The screenshot shows a Zoom webinar interface. At the top, the host is identified as 'Britney Rajesh and 62 more'. The participant count is 100, and the time is 10:42 AM. The main area displays a grid of 36 participants, each with a profile picture or initials. The participants are arranged in a 4x9 grid. At the bottom, there are controls for muting, video, and chat, along with options for 'Turn on captions' and 'Present now'.

Trendz Webinar 20-21



MOU Seminar 20-21



PTA Meeting

DEPARTMENT OF HISTORY

Under the aegis of the Department of History we are imparting a variety of historically awareness programmes - conducting class wise seminar in monthly

basis - undertaking Book Reviews - celebrating the days of historical significances - during the pandemic situation (covid 19) our department conducted classes and PTA meetings through online and sometimes offline classes and PTA meetings were arranged- Signed MOU with different associations and Institution – Our department got an opportunity to offer a skill based certificate course Heritage tour through Kerala history and Archaeology , under NSQF ,UGC- The college was closed for the summer vacation on 31-03-2021

DEPARTMENT PROFILE

EST : 1998

PROGRAMME OFFERED – CURRENT STRENGTH & DETAILS

- **B.A. in History**

UG	SRENGTH	FEMALE	SC	ST	OEC	OBC	GENERAL
I B.A	55	36	13	-	-	30	12
II B.A	53	33	13	-	-	30	10
III B.A	48	29	11	-	-	24	13

Details of Teaching Staff

Sl.No	Name	Gender	Designation
1.	Smt.Biji.K.K	Female	Asst..Prof & HOD
2.	DR.B.V.Nandakumar	Male	Asst.Professor
3.	Dr.Simi.S	Female	Asst.Professor

Achievements of Students : Result : (2021)

No of students appeared	No of students passed	Pass %
48	35	72.92

Programmes organised by the Department

1. Organised a National webinar on “Understanding the Indus Civilization in Gujarat thorough the Material Culture” on in association with Department of Archaeology on 23/09/2020
2. Organised an Orientation Programme for First Year B A History Students – “Why Study History” in association with ATWS
3. Signed an MOU with Department of Archaeology, Kariavattom
4. Signed an MOU with Global Foundation for Sree Narayana Guru’s Doctrines
5. Signed an MOU with Association of Third World Studies , South Asia Chapter(ATWS,SAC)
6. Organised a programme in association with University Help Desk , S.N.College ,Varkala “**Disha**”- A Guidance and Motivational class for the First Year Degree Students by Dr.Alexander Jacob IPS on 20th March 2021
7. Organised a MOU webinar on “Meet a Life Mentor” on in collaboration with Association of Third World Studies, South Asia Chapter on 14-05-2021
8. Organised TRENDZ webinar on “ Indian Democracy : Recent experiments and Experiences ” on in Association with IQAC on 18/05/2021

9. Organised a MOU webinar on “Sree Narayana Guru’s Temple Installations & Educational Revolution in Kerala” on in collaboration with Global Foundation For Sree Narayana Guru’s Doctrines on 30-05-2021

Ms.Biji.K.K

Joined as Assistant Professor in History on June 6th 2013.– Organised a National webinar and orientation Programme for our students – Signed 3 MOU’s – Member of Council – Member of Women’s study Unit - Participated in the National webinar Career Prospects and possibilities in the Indian Information Service organized by the Dept.of English and IQAC Sree Narayana College, Sivagiri, Varkala on July 23 2020 - participated in the One-week Faculty Development Programme (FDP) on Online Education in Higher Education Institutions conducted by the Faculty Development Centre of the Kerala State Higher Education Council (KSHEC), Thiruvananthapuram through online mode from 3rd to 7th August 2020- participated in the International Webinar on "Advances and Surprises in Geochemistry" organised by the Post Graduate Department of Geology in association with IQAC of Sree Narayana College, Sivagiri, Varkala on 09th August 2020- - Organised a National webinar on “Understanding the Indus Civilization in Gujarat thorough the Material Culture” on in association with Department of Archaeology on 23/09/2020 - participated a programme in association with University Help Desk , S.N.College ,Varkala “**Disha**”- A Guidance and Motivational class for the First Year Degree Students by

Dr.Alexander Jacob IPS on 20th March 2021- Organised a MOU webinar on “Meet a Life Mentor” on in collaboration with Association of Third World Studies, South Asia Chapter on 14-05-2021 - Organised TRENDZ webinar on “ Indian Democracy : Recent experiments and Experiences ” on in Association with IQAC on 18/05/2021 - Participated a MOU webinar on “Sree Narayana Guru’s Temple Installations & Educational Revolution in Kerala” on in collaboration with Global Foundation For Sree Narayana Guru’s Doctrines on 30-05-2021 - Assigned additional valuation duty for the II, IV and Vth semester Valuation at University of Kerala ,TVM –Co-ordinator of Women’s Study Unit – Assigned admission duty at college - Assigned invigilation duty and valuation duty for University Exams -Providing research guidance to degree students.

Dr. Nandakumar B V

Assistant Professor, Department of History - Executive Member and Public Relations Co-ordinator, Association of Third World Studies, South Asia Chapter - Subject Expert of history writing on “History of SCERT” – Subject Expert of Equivalency Cum Eligibility Test – Syllabus & Question Paper Preparation, SCERT - Co-ordinator of the a webinar on “Understanding the Indus Civilization in Gujarat thorough the Material Culture” – Co-ordinator of an Orientation Programme for First Year B A History Students – “Why Study History” – Resource Person at “*Keralam Innalekaliloode*” organised by GVHSS Aryanad - Resource Person at Sasthrapadham

Seminar conducted by Samagra Siksha Kerala, Block Resource Centre, Kozhuvanal, Kottayam & handled the session on “Archaeologists Reconstruction of the Harappan Civilization” - Resource person at the Orientation Program on “Research Methodology” organised by Department of History, St. Cyril’s College, Adoor - Published a research article on the topic “Theories of Ethnicity and Migrations: The Ezhava – Sri Lanka Affiliations” in the *Journal of the Association of Third World Studies, South Asia Chapter, Vol.IV, Issue 1, 2020* - **Attended 10 Webinars** – Participated a MOU webinar on “Meet a Life Mentor” on in collaboration with Association of Third World Studies, South Asia Chapter on 14-05-2021 - Co-ordinator - TRENDZ webinar on “ Indian Democracy : Recent experiments and Experiences ” on in Association with IQAC on 18/05/2021 - -Co-ordinator - MOU webinar on “Sree Narayana Guru’s Temple Installations & Educational Revolution in Kerala” on in collaboration with Global Foundation For Sree Narayana Guru’s Doctrines on 30-05-2021 - **-Providing research guidance to Degree students -** Additional Examiner for the valuation of answer scripts.

Dr. SIMI. S, MA, B.Ed., M. Phil., Ph.D.

Assistant Professor, Department of History - joined on duty 29/09/2020 FN - Completed one month Online Faculty Induction Programme of Ministry of Education, PMMMNMTT, Teaching Learning Centre Ramanujan College, University of Delhi, from 11th February 2021 to 13th March 2021, and awarded ‘A’ grade - Co-ordinator of

the programme “**Disha**”- A Guidance and Motivational class to First Year Degree Students for their successful course completion and future career., organised by University Help Desk and Department of History, held on 20th March 2021, Saturday at 10am., Platform- Google Meet & YouTube Live., Resource Person: Dr. Alexander Jacob IPS, DGP (Rtd.) & Nodal Officer, National University for Police Sciences and Security Studies. YouTube Link: <https://youtu.be/px3DECun0Kg-> - Participated in the Indian History Congress Webinar on “Indian Civilization: Historical Perspectives”, on 28-29 December 2020 - Participated in an Orientation programme for 1st BA History Students- “Why Study History?”- held on 30th November 2020, Monday at 10am, Resource Person: Prof. (Dr.) P. Vasumathy Devi, Former Head, Dept. of History, University of Kerala -Tutor- First Year BA History 2020-21 - Coordinator- University Help Desk (Programme held on 20th March 2021, Saturday, at 10am) - Joint Coordinator- Planning Forum & Entrepreneurship Club –Participated a MOU webinar on “Meet a Life Mentor” on in collaboration with Association of Third World Studies, South Asia Chapter on 14-05-2021 - Co-ordinator - TRENDZ webinar on “ Indian Democracy : Recent experiments and Experiences ” on in Association with IQAC on 18/05/2021-Participated a MOU webinar on “Sree Narayana Guru’s Temple Installations & Educational Revolution in Kerala” on in collaboration with Global Foundation For Sree Narayana Guru’s Doctrines on 30-05-2021 - Done Admission Duty - Annual member of Indian History Congress- Membership No. AM-26892

Achievements of Students

- **Sandra B.S** 2017-20 Batch student achieved **fifth** position at **Kerala University B.A History Examination in the year 2021**
- **Midhun.M.S** - Participated in National level Quiz competition and has scored 72% on the topic Independence day organized by NSS , SNGCAS,Chempazhanchy on 15-08-2020
- **Karthika . S** – First year student participated junior kabaddi championship at Kasaragod on Feb 16-17 and senior kabaddi championship at Kollam on 7-8 March 2021- position: - circle kabaddi national player and kabaddi state player
- **Shibin.S and Shaji.V** - Third year students continuing as national players at Kho – Kho competition attended sports camp at kerala university – Attended another sports camp at Kollam
- **Karthika.S and Surya.U.S** Second year students attended a NCC camp
- **Rishi .A.L, Anjana.G, Anaswara.B.R, Vijay.B, Akhil .S,Soorya S.P, Jyothika.S.B, Jinu.M.S, Anumol.J.S, Sooraj.S** – Second year Students attended a NSS camp YUGA 2020 at S.N.College, Varkala
- **Athira Anil. L, Maathulal. B. S, Sreekutty. S, Akshara BS** Third year students – Participated in the NCC activities in the College

DEPARTMENT OF MALAYALAM

College officially reopened after summer vacation on 01.06.2020. During this Covid-19 Pandemic situation, the department offered online classes for the students, as instructed by the Department of Higher Education, Kerala.

FACULTY MEMBERS

SL.NO	Name	Designation	Qualification
1	Sri. Sanalkumar T	Associate Professor and HOD	MA
2	Dr.Nithya P Viswam	Assistant Professor	MA, BEd, PhD
3	Dr.S. Henalal	Assistant Professor	MA, BEd, MPhil, PhD
4	Smt. Sini V	Assistant Professor	MA (Malayalam), MA (Sociology),MEd, MPhil
5	Sri. Sumesh P K	Assistant Professor	MA, BEd
6	Dr.Usha R B	Assistant Professor	MA, BEd, MPhil, PhD

UG STRENGTH

Class	Strength	Male	Female
First year	57	13	44
Second Year	61	20	41
Third Year	54	9	45

EVENTS IN THE ACADEMIC YEAR

Department of Malayalam organised three webinars during this academic year.

1. A National Webinar conducted on the topic „UdayannaTharasareerangal Navamalayala Cinemayile Nayakanirmithi“ on 14/07/2020 Dr.Rakesh Cherukodu was the Chief Guest.



2. Organised a webinar on behalf of „Kerala Piravi Celebration“. Dr.George Onakkoor was the Chief Guest.

Counseling Cell

Theatre Club

IQAC

Published Works

1. Published a book named „Ithinidayiloode“ Collection of poems in November 2020.
2. A poem named „GurudevasooryanUdichidumbol“ in Kerala Kaumudydaily on 08/11/2020.
3. Published an article „GurudharmaPracharakanayaKuttanad V N Thankappan“ in Kerala Kaumudy Newspaper on 28/09/2020.

Recourse Person for the Webinar on the topic „Humanity in the vision of Sree Narayana Guru“ in connection with World Humanitarian Day on 19th August 2020 conducted by the NSS Units of S N College, Varkala.

Dr. Nithya P.Viswam

Published works

1. “MalayalaSahithyathileVanithakal” Manorama yearbook 2021 Published by Malayala Manorama Page No: 470-481
ISSN 0970-9096
2. “MaanjooNithyaNirmalaPournami” At Kerala Private College Teacher Journal, October 2020, Page No. 14-18
ISSN 2454-4795
3. “SeethayanathinteUllurappu” At EriyunnaMahaVanangal, Chinthavishtayaya SeethayudeSathabdiSmarana, Edt. Dr.N.R.GramaPrakash

Published by Kerala Bhasha Institute, Thiruvananthapuram, November 2020
Page No. 835-850

ISBN 978-93-90520-32-9

4. “PularippoPoloral” Interview at Mugham Digi Magazine, March 2021 Page No. 23- 26.

www.mukhamonline.com

5. “Feminist Embers in contemporary Malayalam Literature” Cover story at Kerala Calling, March 2021 Page No. 8-11
Prd.kerala.gov.in/ Publication.keralacalling

Award

1. Indiwood Bhasha SahithyaPuraskaram 2020 for Best Research Book in Language, Parody MalayalaKavithayil, written by Dr. Nithya P. Viswam

University level Duties

1. P.G. Board of Studies Member, University of Kerala.
2. Research Guide, University of Kerala
3. Learn in Lockdown with AKPCTA Course Co-ordinator & Resource Person for
 1. S2 BA/BSc Addl.lang. Malayalam
 2. S2 BCom Addl.lang. Malayalam

Resource person for

1. S2 B.A. Malayalam
2. S2 Career Related Courses Addl.lang. Malayalam

College level Duties

1. Tutor, 3rd BA Malayalam.
2. Debate Club Co-ordinator

3. Literary Club Member
4. Gandhian Study Centre member
5. Music Club member
6. Grievance and Redressal member
7. National Webinar Co-ordinator on behalf of dept. of Malayalam, S.N. College, Varkala.

Refresher Courses

1. MHRD Sponsored Two Weeks online Faculty Development Programme on “Managing Online Classes and Co-Creating MOOCS:2.0” from may 18 to June 03, 2020.
2. MHRD Sponsored two weeks National Online Faculty Development Programme on “Media and Art in Teaching and Learning” from 12.01.2021 to 25.01.2021.

Webinars/Seminars Presented

1. “VayanayudeEeduVeppu” at S.D. College, Alappuzha on 25th June 2020.
2. “AthijeevanathinteAparaBhashyangal:MahamariyudeKalathe hasyavishkarathin terashtreeyam” at St.Joseph’s College, Pathanamthitta, on 22nd June 2020.
3. “Alingam” Pusthakaparichayam for SadassSahityavedi Live on 23rd June 2020.
4. „Lokavasanam“ short story written by K.T. Baburaj discussed and 22nd Katha MathramKadhaSamvadam inaugurated on 30th August 2020.
4. At the time of EdasserikkavithakalSampoornaSamaharam&Edassery Bibliyography release delivered a talk about EdasseryKrithikal on 3rd January 2021, www.youtube.com

6. “Teaching, Testing and Evaluation of Prose” handled this session as subject expert on refresher course for Navodaya Teachers at Institute of Indian Languages, Mysore on 14th January 2021.
7. Inaugurated and delivered a speech on „Kumaranasante Seetha Nirmithi“ at Kayikkara Asan Smarakam on behalf of his 97th death anniversary, on 16th January 2021.
8. “ChangampuzhaudeManaswini” at S.N. College, Chathannoor on 28th March 2021.

Dr.S.Henalal

University of Examination Superintendent

Member - Theatre Club

Tutorial system

Committee for PWD Student

Tutor IIndBA

Published Works

„VivarthanarathyayilAdarnnuveezhunnaKavyacharuthakal“- An article published in Malayalasaahithy, Malayalavibhagam, NSS College, Nilamel- June 2020.

Smt.Sini.V

PTA Secretary

FSA (Treasurer)

Member - Debate Club

Discipline Committee

Library Club

Literary Club

Co-operative Society

Published Works

1. „Swanubhavageethi“ Article published in Guruveekshanam monthly published by Guru Book centre, Thiruvananthapuram, March 2020.
2. „KazhchayudeAdayalanganal - PadmarajanteNovalukalil“, Article published in Thudi, Kannur, University.
3. „DrisyaparathaPadmarajanteKadhakalil“, Article published in Malayalasaahithy, Malayalavibhagam, NSS College, Nilamel. June 2020.
4. „Gurudevadarsanathilesanghatanaasankalpam“, Article published in Adarsam thrimasika, PangapparaGurumandiram, December 2020.
5. „Bhashavyavaharathilenanarthanganal“, Article published in the book vamseeayabhashavyavaharam, samoohamsamskaram, saahithyam, published by Kerala Bhasha Institute, January 2021.

Refresher Courses

Attended online refresher course in Malayalam language and Literature conducted by UGC-HRDC, University of Kerala, from 09/03/2021 to 22/03/2021.

Sri. Sumesh P K

NSS (Programme Officer)

FSA (Join Secretary)

Information Officer

Member - Discipline Committee

Sree Narayana Studies

Mid-day meal Programme

Tutor IstBA

Published Work

„KollunnavanillaSaranyatha“ – article published in AdarsamThrimasika, Pangappara Gurumandiram, Septemeber 2020.

Dr.Usha R B

Convener - Women`s study unit

Member - Counseling Cell

Sreenarayana Studies

Academic Auditing

Attended UGC Sponsored online Induction Programme from 01/01/2021 to 30/01/2021 conducted by UGC HRDC University of Kerala.

UNIVERSITY RESULTS

Results - 2020-21

Programme	Passed Year	Appeared	Passed	Percentage
BA Malayalam	2021	54	39	72.22

STUDENT'S ACHIEVEMENT

Rejin R.S (Reg.No.11518134045) got placement in CRPF.

Prof. Sanalkumar.T

Head of the Department

DEPARTMENT OF ENGLISH

Faculty Details

SL No	Name	Designation	Qualification	Remarks
1	Nayana Konath	Assistant Professor & Head	MA M.Phil.	
2	Preetha Krishna L	Assistant Professor	MA M Ed.	
3	Anisha N	Assistant Professor	MA	
4	Avani Saseendran	Assistant Professor	MA B Ed	
5	Aruna S Ajayan	Assistant Professor	MA	Joined on 29/09/2020

Contribution of the Department

- Organised a National Webinar on Career Prospects and Possibilities in the Indian Information Services on 23rd July 2020
- Signed MOU with ELTAI
- Organised a One day Orientation Programme for First Year Degree Students in association with ELTAI
- Subscribed the Journals- Littcritt, Vijnanakarali and Journal of English Language Teaching

Contribution of Faculty Members

NAYANA KONATH

Responsibilities Undertaken

- Member, Board of Studies , UG, Journalism and Mass Communication
- Member, English Language Teachers Association of India(ELTAI)
- Member, College Council
- Member, Admission Committee
- Member, Debate Club
- Member, Academic Committee
- Member, Academic Committee
- Convenor, Language Lab
- Coordinator- National Webinar on Career Prospects and Possibilities in the Indian Information Services on 23rd July 2020
- MOU signed with ELTAI

Courses Attended

- Online Refresher course in English Language & Literature for university/college teachers conducted by the UGC-HRDC, University of Kerala sponsored by the University Grants Commission from 03.11.2020 to 16.11.2020

PREETHA KRISHNA L

Responsibilities Undertaken

- Member, IQAC
- Member, RUSA Committee
- Member-SSR Drafting Committee
- Member-Library Committee
- Member- Language Lab
- Member- Hostel Committee
- Convenor- Literary Club
- Coordinator- Webinar on Post Modern Poetry on 13th Nov 2020

Publications as Book Chapters

- Preetha Krishna L & Dr. Theresa Susan A (2021) ‘A Study on Metaphor Awareness in English of Higher Secondary School Students in Relation to Type and Locale of School’, *English Language Education: Concerns, Modalities and 21st Practices*. New Delhi: APH Publishing Corporation pp 141-149 (ISBN 978-93-89875-87-4)
- Preetha Krishna L (2021) ‘Understanding Metaphors in Mahesh Dattani’s Dance Like a Man’, *Hidden Issues in Mahesh Dattani’s Plays*. India. Notion Press. pp 61-77 (ISBN 9781-6 3781-3 24-9)
- Preetha Krishna L (2021) ‘Metaphorical Conceptualization of Online Learning: A Study on Under Graduate Students’. *Teacher Education: Innovations and Interventions*. New Delhi: APH Publishing Corporation pp 54-64 (ISBN 978-93-89875-77-5)

Paper Presentations

- Presented a paper titled ‘A Study of Conceptual Metaphors in the Select Folktales of Kerala’ in the Two Day National Webinar titled *The Dynamics of Folklore and Orature in Culture* organised by the Department of English, SDM Govt PG College, Doiwala, Dehradun on 13th October 2020
- Presented a paper titled ‘Examining the relationship between Metaphor Awareness in English and Creativity of Higher Secondary School Students’ in the two day International Virtual Conference on *Emerging Trends in English Literature and ELT* organised by the Department of English, Fatima Mata National College, Kollam on 27th February 2021

Participation in seminars/conferences/webinars

- Attended a webinar on “The Controversial Trip: Tagore and China” organised by the PG Department of English, NSS College, Pandalam on 27th June 2020
- Attended the National Webinar ‘English Blues’ conducted by the PG Department of English, VTM NSS college on 19th August 2020
- Participated in the Al-Haj P K Kunju Memorial Webinar on “Literary Disability Studies: from Representation to Re-Presentation” organised by the Department of English & IQAC, Milad-E-Sherif Memorial College, Kayamkulam on 24th August 2020

- Participated in the webinar on “Retelling and Adaptation of Indian Epics in Graphic Books” organised by the Department of English, St.Berchmans College, Changanaserry on 3rd Sept 2020
- Participated in the International Webinar o “The Feminie Manto: A Reading through Select Short Stories and Letters” organised by the Department of English, St. Berchmans College, Changanassery on 12 th September 2020
- Participated in the National Webinar on “Overview of Intellectual Property Rights” organised by the IQAC, Sree Narayana College Sivagiri, Varkala on 9th October 2020
- Participated in the session on “Edible Ecriture: An Exploration of the Representation of Food in Literature and Popular Culture organised by the Department of English. St. Berchman’s College, Changanaserry on 10th October 2020
- Participated in the M E Mathew Memorial National Web Colloquim “Thinking Post-Cinema” organised by the Department of English, UC College, Aluva on 23rd October 2020
- Attended the webinar series “Storytelling, Transmediality and the Aesthetics of Visuality” held between 3rd Nov to 9th Nov 2020 organised by the Department of Humanities and Social Sciences, IIT Gandhinagar, Gujarat

ANISHA N

Responsibilities Undertaken

- Convenor, Theatre Club
- Member, Music Club
- Member, Library Committee
- Member, Language Lab
- Coordinator -Webinar on “Theatre and Acting” on 25th Feb 2021

Courses Attended

- Completed the MOOC course “e-learning Ecologies: Innovative Approaches to Teaching and Learning for the Digital Age” authorized by the University of Illinois on 29/9/2020.

Publication in Journals

- “Ecstatic Naturalism in Mary Oliver’s Poetry” in the UGC Care listed *Journal of the Maharaja Sayajirao University of Baroda* Vol.54 No.2(vii) ISSN 0025-0422

Participation in seminars/conferences/webinars

- Participated in the Seven Day online workshop titled “ Soundarya and the Sahridaya: Aesthetic Discourses in India and the West” organized by the Research and Development Cell of Sree Sankaracharya University of Sanskrit-Kalady in association with Padasala and Sahapedia from 22 November 2020 to 28 November 2020.
- Attended a ten day course titled “A Short Term Course in E-Teaching with Learning Management Systems” conducted by The All Kerala Private College Teachers' Association in June 2020
- participated in the Webinar entitled “Temples to Digital Spaces: Structural Paradigm Shifts in Kutiyattam towards a Post Pandemic Era” organized by Department of English of M.P.Moothedath Memorial Sree Narayana Trusts College, Shoranur, Palakkad, Kerala on 29th June, 2020
- .Attended the national webinar on Research Intelligence and Scholarly Communication
- organized by library, Einstein college of arts and science, Tirunelveli, Tamil Nadu, india held on 03.08.2020.
- Participated in the National Level Webinar on "Feminism : Literary Theory" organised by Epitome : International Journal of Multidisciplinary Research (ISSN :2395-6968), MS, India in collaboration with IQAC & Department of English, Sant Dnyaneshwar Mahavidyalaya, Soegaon, Dist. Aurangabad (MS), India.on 5-7-2020
- Participated in the National Webinar on ‘Quantitative Analysis of Research Productivity- Role of Journal Indexing and Scientometrics’ organized by the Central Library in association with IQAC of Sree Narayana College, Sivagiri, Varkala on 08th August 2020.

- Participated in the International Webinar on Ethnoliterature and the Environment: Northeast Indian and Southeast Asian Literatures in Context organised by the Post Graduate Department of English, Sree Narayana College for Women, Kollam, Kerala on 30 July 2020.
- Participated in the National Webinar on “ Entertainment physical activities: A panacea to release stress during pandemic” organized by Department of Physical Education in association with IQAC ,S.N College, Sivagiri, Varkala held on 29/08/2020.
- Participated in the three day FDP on “Successful Strategies and Design Principles in Effective E- Learning” webinar organized by the Internal Quality Assurance Cell ,RSM SNDP Yogam Arts and Science College, Koyilandy,Kozhikode, on 8,9 &11th July 2020

Awards

- Best Young Faculty Award from Sri Karunandar Charitable Trust, December 29, 2020

AVANI SASEENDRAN

Responsibilities undertaken

- Convenor, Share and Care Club
- Member, Grievance Redressal Cell
- Member, Health Education Club
- Member, Sree Narayana Study Centre
- Member, SSR Drafting Committee
- Joint Coordinator – One day Orientation Programme for First Year Degree Students in association with ELTAI

Courses Attended

- Completed One week Faculty Development Programme on “Development and Implementation of MOOCs organised by the Teaching Learning Centre, Ramanujan College, University of Delhi from Oct 21to 27, 2020
- Completed one week Faculty Development Programme on “Advanced Pedagogical techniques” organised by the Teaching Learning Centre, Ramanujan College, University of Delhi from October 29 to Nov 5th 2020

- Completed four week Induction/Orientation programme organised by the Teaching Learning Centre, Ramanujan College, University of Delhi from November 10 to December 9, 2020

Participation in seminars/conferences/webinars

- Attended a webinar on “The Controversial Trip: Tagore and China” organised by the PG Department of English, NSS College, Pandalam on 27th June 2020
- Attended the five day International lecture Series on English Literature and Theory hosted by All India Forum for English Students, Scholars and Trainers (AIFEST) from 3rd to 7th August 2020

ARUNA S AJAYAN

Responsibilities undertaken

- Convenor, Student ID
- Member, Media Club
- Member, Ethics Committee
- Member, Bhoomitra Club
- Member, SSR Drafting Committee
- Coordinator – One day Orientation Programme for First Year Degree Students in association with ELTAI

Participation in seminars/conferences/webinars

- Attended the second lecture of the IMG Public Lecture Series on the topic “Women in Public Life in Kerala: History, Experience and Learning on 15th December 2020

DEPARTMENT OF PHYSICAL EDUCATION

ACHIEVEMENTS IN STATE/UNIVERSITY LEVEL

Individual Events

S.I	NAME	LEVEL	ACHIEVEMENT/	SPORTS/	

	PARTICIPANT	OF PARTICIPATION	MEDAL	GAMES	DEPARTMENT
1	Akhiljith	S Inter Collegiate	Silver	Wrestling	III Mathematics
2	Amalraj. R	Inter Collegiate	Silver	Boxing	I Mathematics
3	Jishnu Satheesh	Inter Collegiate	Silver	Boxing	II Chemistry
4	Hari S Naga Inte	Collegiate	Bronze	Boxing	III Geology
5	Akhil A	Inter Collegiate	Bronze	Boxing	III Malayalam
6	Abhinesh	A Inter Collegiate	Bronze	Boxing	I B.Com

ACHIEVEMENTS IN STATE/UNIVERSITY LEVEL

2.2. Group Events

S.I	NAME PARTICIPANT	LEVEL OF PARTICIPATION	ACHIEVEMENT/ MEDAL	SPORTS/ GAMES	DEPARTMENT
1.	Abhiram.T.S	Inter Collegiate	Silver	Kho	Kho II Economics
2.	Adithyan	S Inter Collegiate	Silver	Kho	Kho I B.Com
3.	Akshay S	Inter Collegiate	Silver	Kho	KhoIII Economics
4.	Nithin B	Inter Collegiate	Silver	Kho	KhoIII Economics
5.	Abhijith M	Inter Collegiate	Silver	Kho	Kho III History
6.	Balamuralikrish	Inter Collegiate	Silver	Kho	Kho III History

	nan				
7.	Jithu A	Inter Collegiate	Silver	Kho	Kho III History
8.	Nithin S	Inter Collegiate	Silver	Kho	Kho III Economics
9.	Sreejith S	T Inter Collegiate	Silver	Kho	Kho I Malayalam
10.	Thanseer S	T Inter Collegiate	Silver	Kho	Kho III Economics
11.	Shyam	S N Inter Collegiate	Silver	Kho	Kho III Economics
12.	Pranav P	V Inter Collegiate	Silver	Kho	Kho I Economics
13.	Harssha M	S Inter Collegiate	Silver	Tennis	I MscChemistry
14.	Lakshmi R	Inter Collegiate	Silver	Tennis	II Geology

The Department of Physical Education conducted coaching camp for Football, Cricket, Kabaddi(M&W), Kho-Kho(M&W), Boxing(M&W), Shuttle Badminton(M&W), Tennis(M&W), Wrestling(M), Chess(M) and Athletics(M&W).

- Our students has participated in the Inter collegiate Tennis Tournament for Womenheldat Kerala Tennis Academy,kumarapuram on 13thand14th April 2021 and baggedrunnerup trophy in the championship.
- Our students has participated in the Inter collegiate Tennis Tournament for Menheldat Kerala Tennis Academy,kumarapuram on 13thand 14thApril 2021 and baggedthirdrunner up trophy in the championship.

- Our student has participated in the Inter collegiate Wrestling Championship held at Indoor Basketball Court, University of Kerala on 15th and 16th April 2021 and got one silver medal in the Championship.
- Our students has participated in the Inter collegiate Kho Kho Tournament for Men held at Sreepadam Auditorium, Attingal on 11th and 12th August 2021 and bagged runner up trophy in the championship.
- Our students has participated in the Inter collegiate Kho Kho Tournament for Women held at Sreepadam Auditorium, Attingal on 11th and 12th August 2021 and bagged third runner up trophy in the championship.
- Our students has participated in the Inter collegiate Chess Tournament for Men held at G.V Raja stadium, TVM on 4th and 5th August 2021 and bagged third runner up trophy in the championship.
- Our students has participated in the Inter collegiate Kabaddi Tournament for Men held at S N College for women on 4th and 5th August 2021.
- Our students has participated in the Inter collegiate Boxing Tournament for Men and Women held at Sreepadam Auditorium, Attingal on 12th and 13th August 2021 and bagged two silver medals and 4 bronze medals in the championship.

WEBINARS CONDUCTED

We organized another one day National Webinar on the topic “ *Prevention Of LifestyleDiseases For Defeating Covid-19*” on 29th August 2020. **Dr.AShersha**, *AssociateProfessor(Rtd.) and Founder President National Wellness Association* was the resource personwho handled the first session and **Kannan R Ramesh** *Psycho Counsellor,NSIM*handledthesecond session effectively. The webinar was inaugurated by Dr. K.C Preetha ,Principal,S.NCollege ,Varkala. Sri. Praveen R, HOD, Department of Physical Education, deliveredthewelcome speech. Sri.Aji. S.R.M (Executive member, S.N Trust), Dr.Joly.A (Former Principal, HOD, Department of Chemistry), Dr.Babitha.G.S (Coordinator, IQAC)and Sri.Sivakumar(Vice-President, PTA) delivered the fecilitation. Dr.Biju.C (Asst. Prof, Department of Botany)proposed the vote of thanks and Smt. Sreerenjini S C (Asst. Prof, Dept.of Economics) wasitsmoderator.

BROCHURE- NATIONAL WEBINAR

Speaker 1
Dr.A Shersha
Founder President
National Wellness Association
& Associate Professor(Rtd)



Speaker 2
Kannan R Ramesh
Psycho Counsellor, NSUI



SREE NARAYANA COLLEGE
SIVAGIRI, VARKALA
(Affiliated to Kerala University)
Reaccredited with B grade by NAAC



NATIONAL WEBINAR
on 22-09-2020 at 2pm

TOPIC 1 : PREVENTION OF LIFESTYLE DISEASES FOR DEFEATING COVID-19
TOPIC 2 : IMPORTANCE OF MENTAL WELLNESS FOR THE PREVENTION OF COVID-19 & LIFE STYLE DISEASES

Organized by
DEPARTMENT OF PHYSICAL EDUCATION
in association with IQAC & SPORTS CLUB

Programme schedule
Welcome: Sri.Praveen.R
(Coordinator & Head, Dept. of Physical Education)
Inaugural address: Dr. K.C Preetha (Principal)
Felicitations:
Sri.Aji. S.R.M (Executive member, S.N Trust)
Dr. Joly.A (Former Principal, Head, Chemistry)
Dr.Babitha.G.S (Coordinator, IQAC)
Sri.Sivakumar (Vice-President, PTA)

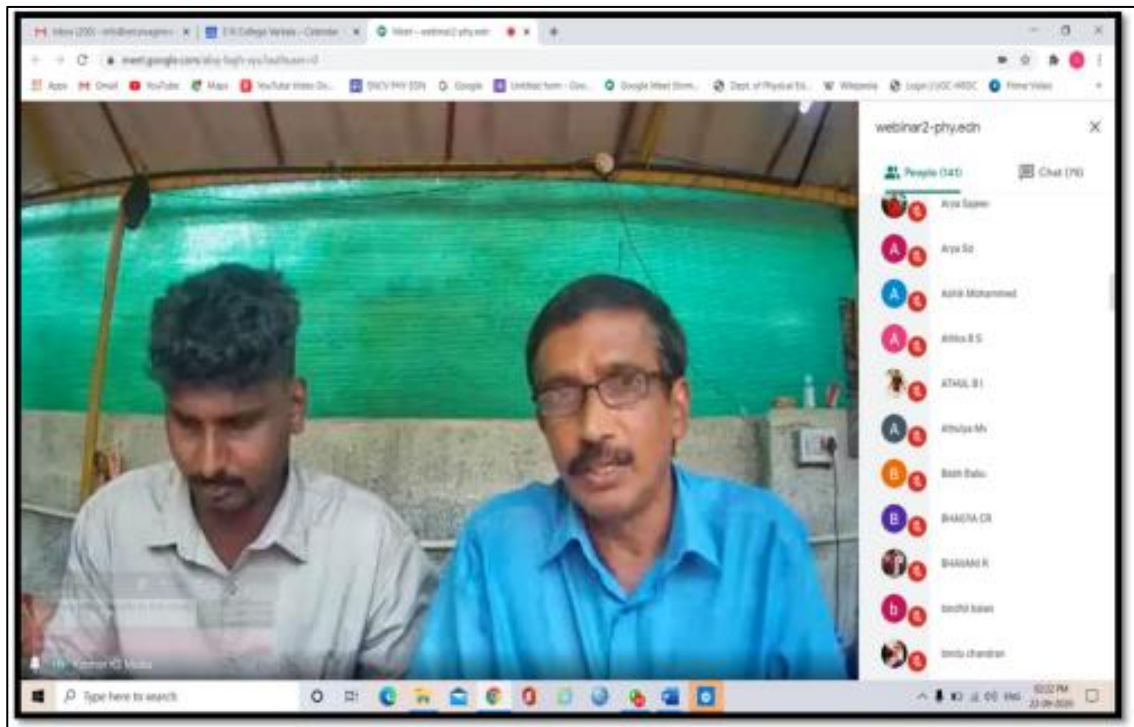
Invited Talk
:Dr.A Shersha (Fonder president- National Wellness-Association & Associate Professor(Rtd))
:Sri.Kannan R Ramesh(Psycho Counsellor, NSUI)

Vote of Thanks : Sri.Syam Raj R (Asst. Prof, Dept.of Economics)
Moderator : Smt. Sreeranjini S C (Asst. Prof, Dept.of Economics)

Platform : Google Meet
For registration [Click here](#)
For joining WhatsApp group [Click here](#) or scan QR code

E-certificate will be issued

Organizing committee
Patron : Sri.VELLAPPALLY NATESAN
Principal : Dr. K.C Preetha
Coordinator : Sri.Praveen.R(HOD, Dept. of Physical Education)
Members – Sports Club



RESOURCE PERSONS HANDLING NATIONAL WEBINAR

The webinar was conducted on Google Meet platform. More than 450 people registered for the webinar and it was attended by around 240 people. The webinar focused on how to prevent life style diseases and how to improve mental wellness through physical activities. The resource person vividly described the various physical activities to improve the mental and physical strength of the people. He also emphasised the importance of physical exercise to improve the immunity of our body in order to fight against the novel virus. There was a question and answer session after the presentation. The participants actively engaged in the session and the whole webinar was indeed informative. The Feedback form was provided in the Google Meet chat box and Certificates were issued to those who filled the feedback forms successfully. Thus the webinar turned out to be a successful one.

CONDUCTED ONE DAY SEMINAR ON NUTRITION & PHYSICAL FITNESS

Session1: IMPORTANCE OF PROPER NUTRITION FOR HEALTH, IMMUNITY & FITNESS & Session2: PRACTICAL TRAINING TO MAINTAIN GOOD BMI

The Department of Physical Education in association organized a one day Seminar “NUTRITION & PHYSICAL FITNESS” on 17-12-2020 in connection with remedial measures for the BMI of the students from S N College, Varkala taken in January 2020. **Dr. A Shersah**, Founder President National Wellness Association & Associate Professor (Rtd) was the resource person who handled the first session “**IMPORTANCE OF PROPER NUTRITION FOR HEALTH, IMMUNITY & FITNESS**” and **Kannan R Ramesh**, Chief Consultant, Astra Fitness Consultancy and Psycho Counsellor, NSIM handled the second session “Practical Training to maintain good BMI” effectively. The seminar was inaugurated by

Dr.K.CPreetha,*Principal,S.N College ,Varkala. Sri. Praveen R, HOD, Department of Physical*

Education delivered the welcome speech. Sri.Aji. S.R.M (Executive member, S.NTrust), Dr.Joly.A(Former Principal, HOD, Department of Chemistry), Dr.Soju S (Coordinator, IQAC)andSri.Sivakumar(Vice-President, PTA) delivered the fecilitation. Dr.Babitha GS (Asst. Prof, Department of Zoology) proposed the vote of thanks .

The first session was conducted in the college conference hall at 10am. The seminar focusesonproper nutrition and remedial exercise for maintaining good BMI. He described about variousfood stuffs and food synergy for getting proper nutrition. There was a question andanswersession after the first session. The participants actively engaged in the session and the wholeseminar was indeed informative. The second session started at 2pm and it was a practical session. different types of exercises, aerobics etc conducted for reducing body weight and maintainingphysical fitness. It was really a wonderful session and all students were enjoyed out of it.

Session1(1 PM)
Dr.A SHERSHAH
 Executive Director, Consultants & General Coordinator
 President, National Wellness Association & Associate Professor
 (Physiology)

Session2(2.30 PM)
KANNAN R RAMESH
 Exercise consultant/Physiotherapist
 (Chief consultant-ASHTRA Fitness consultancy)

SREE NARAYANA COLLEGE
SIVAGIRI, VARKALA
 Affiliated to Kerala University
 Medical Education & Research Institute

ONE DAY SEMINAR
ON
NUTRITION & PHYSICAL
FITNESS
17 DECEMBER 2020

Programme Schedule
Welcome: Sri.Praveen.R
 (Coordinator & Head, Dept. of Physical Education)
Inaugural address: Dr. K.C Preetha (Principal)
Celebrations:
 Sri.Aji. S.R.M (Executive member, S.N Trust)
 Dr. Joly.A (Former Principal, Head, Chemistry)
 Dr.Soju. S(Coordinator, IQAC)
 Sri.Sivakumar (Vice-President, PTA)
Vote of Thanks : Dr.Babitha G.S(Asst. Prof, Dept.of Zoology)

Invited Talk
:Dr.A Shershah (Principal Investigator-UGC Major Research Project "Exercise & Diseases" President - National Wellness Association)
:Sri.Kannan R Ramesh
 (Exercise consultant/Physio Counsellor and Chief consultant-ASHTRA Fitness consultancy)

Venue:Session1- Conference Hall,S.N College,Varkala
Session2- College Auditorium

Organizing committee
Patron : Sri.VELLAPPALLY NATESAN
Principal : Dr. K.C Preetha
Coordinator : Sri.Praveen.R (HOD, Dept. of Physical Education)
Members -Sports Club&Fitness Club

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Session2: PRACTICAL TRAINING TO MAINTAIN GOOD BMI

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BROCHURE



Inaugural address by Principal Dr.K C Preetha Dr.A Shershah, Founder President National Wellness Association & Associate Professor (Rtd) handling the first session



*Kannan R Ramesh, Chief Consultant, Astra Fitness Consultancy and
Psycho Counsellor, NSIM handling the practical session*

