



**NSS COLLEGE  
PANDALAM**

**ANNUAL REPORT  
2020-2021**

**INTERNAL QUALITY ASSURANCE CELL**

## **INTRODUCTION**

N.S.S. College, Pandalam is one among the three premier institutions of higher education, established by the Nair Service Society, the leading educational agency and social organization. The founder, the Late Padmabhooshan Mannathu Padmanabhan was a great visionary and social reformer who believed that education is the most effective means of social reforms. The college keeps its tradition and identity in the higher education scenario through its vision "Sreyohi Jnanam Abhyasath". The college is moving forward with a mission to educate and illuminate the young generation with values and tradition. The college was established in the month of February 1949 and started functioning as a second grade college in the year 1950 offering intermediate courses of the University of Travancore. More courses in the Degree and Post Graduate levels were introduced in the successive years and at present, with a total of sixteen Degree Courses and seven Post Graduate Programmes and the research programme in Zoology, the college is recognized as a special grade Post Graduate College affiliated to University of Kerala. In its long history that spans over 65 years, the College has been trying to cater to the academic needs of the student community along with the social and cultural warmth that it has been spreading to the larger world outside. The institution has an impeccable record of providing value added and value-based education displaying sensitivity to the changing educational, social and market demands. Research being the most potential area of higher education, the college takes maximum care and attention to promote a research culture among the faculty and students. The college concentrates on total quality through a holistic approach in its academic pursuit. The College provides quality education by assuring a peaceful, learner friendly, progressive, and democratic ambience in fulfilling its noble vision, mission, and goal. College was recognized by the Department of Science & Technology, Govt. of India for financial assistance under FIST Scheme to improve facilities in the PG Science departments.

### **Vision**

Imparting knowledge to gain wisdom and to liberate the individual from all bondages to build a better world. "Sreyohi Njanam Abhyasath" - Knowledge indeed is superior to constant practice.

### **Mission**

Educate and illuminate the young generations to build a strong and progressive nation where the rich values and traditions are upheld.

## **Aims and Objectives**

This college is established to provide educational opportunities to the young men and women of our country irrespective of their religion, caste or creed. The college aims to provide integral personality development-oriented education and training, which will enable the students-

- to think freely and to be firm on principles
- to preserve and encourage noble values
- to develop good character and personality and become citizens who are assets to society.

Through academic excellence, development of skills and character formation, the college hopes to produce committed and inspired young men and women with a holistic approach to life.

## **Institutional Strategies**

- Quality education through rigorous curricular transactions, obligatory value-added programmes, EHV modules, talent search, soft skill development and placement services.
- Mandatory systematic and scientific initiation into the respective discipline at the entry level.
- Synergy of curricular and co-curricular activities and Flexibility in transactional strategies.
- Horizontal mobility through value added programmes.
- Programmes for advanced learners to promote their pursuit of excellence
- Promotion of Research, consultancy and extension.
- Symbiotic relationship with outside academic community through 'Collegium, the domain of debate and discourse'.
- Remedial coaching for slow learners and under-achievers.
- Academic and administrative accountability.

## **IQAC COMPOSITION**

The Internal Quality Assurance Cell (IQAC) of the college is constituted with the following persons as members

1. Dr. S. Venugopal (Principal)

- Chairperson

2. Dr. M. R. Unni (Secretary, NSS Colleges' Central Committee) - Management Representative
3. Dr. K. Jayakumar (Associate Professor, Dept. of Physical Education - Coordinator, IQAC)
4. Dr. K. G. Padmakumaran Nair (Associate Professor, Dept. of Biochemistry - Faculty Member)
5. Dr. Renjusha S. Assistant Professor, Dept. of Chemistry) - Faculty Member
6. Dr. Lekha Pillai (Assistant Professor, Dept. of History) - Faculty Member
7. Dr. Ranjith Krishnan K.R. (Assistant Professor, Dept. of English) - Faculty Member
8. Dr. Jyolsna S. (Assistant Professor, Dept. of Economics) - Faculty Member
9. Sr. Reghunath V. (Assistant Professor, Dept. of Political Science) - Faculty Member
10. Dr. Santhoshkumar R. (Assistant Professor, Dept. of Botany) - Faculty Member
11. Dr. Saravana Kumar S. (Assistant Professor, Dept. of Physics) - Faculty Member
12. Dr. Malini P. M. (Principal, NSS Training College, Pandalam) - External Member (Educationalist)
13. Sri. Thomas Alexander (Director, Sangrose Laboratories Pvt. Ltd., Alappuzha Dist., Kerala) - External Member (Industrialist)
14. Smt. T. K. Sathi (Municipal Chairperson, Pandalam Municipality) - External Member (Stake Holder)
15. Mr. Barath Chandran B. (III B. A. Economics) -Member (Student Representative)
16. Miss. Drisyamol T. K. (I M.Sc. Physics) -Member (Student Representative)
17. Sri. Arjun V. -Member (Alumni)

### Highlights of the Year

The institution offers sixteen degree programmes, seven postgraduate programmes and three Ph.D In the academic year 2020-2021, 987 students were admitted to the college. Bridge courses were conducted by the individual departments to familiarise the basic aspects of the course. 101 teaching staff and 22 non-teaching staff worked in the college during the academic year 2020-2021. The internal examinations were conducted as per the academic calendar. The University Examinations were conducted as per the schedule of the University of Kerala.

### VALUE ADDED COURSES

During the academic year 2020-2021, the college has conducted 14 value-added courses

Name of Add on /Certificate /Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. programs offered	Course Code (if any)
Management of errors in Clinical Biochemistry Laboratory	VACBC2001
Horticulture	BO 245/1
MS Office Skills	CH235/1

Techniques and Instrumentation in Analytical Chemistry (TIAC)	CH235/2
Disaster Management	DM01
Investment analysis and portfolio management	EC/150/1
Film appreciation	EN 130/1
Bridging the divide: An introduction to discourses on gender	EN 130/2
Spread your wings and fly: A Course in Life Skills	EN 130/3
Spoken Hindi	CHN01
Travel and Tourism	HYTT2019
Malayalam Computing	115/1
Programming in C	VAP14
Molecular Quantum Mechanics and Molecular Modelling	PY230/1
Relevance and Moral Values of Sanskrit	VACSK2014
Computer Applications In Biology	650/1

### University Rank Holders

UG/PG	Department	Name of student	Rank
UG	Biochemistry	Sreepriya S.	2
UG	Biochemistry	Dhanasree Pillai	3
UG	B Com Tax	Anitha Nair	1
UG	B Com Tax	Januja M. V.	5
UG	B Com Tax	Athulya Raj	6
UG	Geography	Neenu S Pillai	7
UG	History	Aneesha Manu	1
UG	History	Aswin Satheesh	4
UG	Political Science	F. Yabily	10
UG	Sanskrit	Malavika V	1

### STUDENTS QUALIFIED IN STATE/NATIONAL/ INTERNATIONAL LEVEL EXAMINATIONS

Registration number/roll number for the exam	Names of students qualified	Name of the qualifying exam
PH723F153	Krishnaprakash K R	JAM
PH726F034	Sandeep T S	JAM
410032	Bincy S	KTET
KL0151000091	Pooja Chndran	NET
410055	Salu S M	KTET
410037	Jayalekshmi S	KTET
410239	Sandra Suresh	KTET
806209	Adithya R Nair	KTET
808210	Chithra J S	KTET

806329	Krishnapriya S	KTET
806328	Haripriya A N	KTET
805956	Neenu S	KTET
409889	Amrutha G	KTET
806332	Shilpa Omanakuttan	KTET
805426	Surya Surendran	KTET
722213	Arshaja S	KTET
409890	Aryakrishnan	KTET
KL0405209556	Reshmi T R	NET
KL0105202903	Sanjay Varma V	NET
KL04500801	Abhijith V G	NET
PH723F152	Anandu V	JAM
KL 1605200030	JYOTHISH K	UGC-NET
34130013	Teena I Vasudevan	SET
807800	Teena I Vasudevan	K-TET
KL 0152400010	Rahul Dev M	NET
808900	Sreeraj P G	K- TET IV
KL09000891	THARA KRISHNAN	UGC NET
KL16000313	ASWATHY PRASAD	UGC NET

## MOUS AND COLLABORATIONS

<b>Name of the MoU / linkage</b>	<b>Name of the institution / industry with whom the MoU / linkage is made, with contact details</b>	<b>Year of signing MoU / linkage</b>	<b>Purpose of the MoU/Linkage (Internship, on-the-job training, project work, student / faculty exchange and collaborative research)</b>	<b>Duration of MoU / linkage</b>	<b>List the actual activities under each MOU/ Linkage and web-links year-wise</b>
Research Collaboration	Department of Biochemistry	2020-2021	Collaborative research	5 Yrs	Journal Publication

	K E College ,Mannanam, Kottayam				
Internship	Kerala state Spatial data Infrastructure,KSDI,KSIT M,Department of Electronics and IT,Govt of Kerala	2020-2021	Internship	3 months	Online Internship Programme in Mapathon Kerala
Visiting Association	Inter University Centre for Astronomy & Astrophysics (IUCAA) Pune	2020-2021	Faculty Exchange & Collaborative research	6 years	Research Student of Dr. Rakhi R, Geethika Santhosh Visit to IUCAA

## PUBLICATIONS

<b>Title of paper</b>	<b>Name of the author/s</b>	<b>Department of the Teacher</b>	<b>Name of Journal</b>
The relationship of lipid peroxidation and antioxidant status to selected modifiable risk factors in coronary artery disease patients	Anoop Vijayan, V.Chithra C.Sandhya	Bochemistry	International Journal of Cardiology Hypertension
Dereplication of the Bioactive pool in Gmelina arborea Roxb. root via Hyphenated gas chromatography coupled mass spectrometric system	Vignesh ,R.M. and Sumitha, V.R.	Botany	International Journal of Biology,Pharmacy and allied Sciences
Pollen Morphology And Viability Analyses in Clematis Terniflora DC. control of raw drug material	Rajeswari S.1 and Sumitha V. R.2	Botany	The Journal of Plant Science Research
Pharmacognostical standardization and phytochemical studies in Tridax procumbens L.	Pillai Lakshmi Sreekumar and Ruth A	Botany	International Journal of Biology,Pharmacy and allied Sciences
A Concept of “Gene Maturation Clock” Is it real?	Santhoshkumar, R.	Botany	Annals of Biology
Green synthesis and characterization of ZnO nanoparticles from leaf extracts of Barrintonia acutangula and its antibacterial activity	S. Renjusha and P.H. Vaisakh	Chemistry	Rasayan J. Chem
The extent of Financial Inclusion and the Credit Accessibility of Scheduled Caste Households	Dr.Jyolsna S and Dr.Shaijumon C S	Economics	Anvesak
The Ramifications of the COVID - 19 Pandemic on the Socio-Economic Mileu of Auto Rikshaw Operators in Kerala: An In-depth Case Sudy Carried out in Pathanamthitta	Dr Jyolsna S	Economics	Shodh Sarita



Educated Unemployment's Ripple Effect: An Analysis of its Contribution to Educated Underemployment in India with a focus on Kerala	Dr Jyolsna S	Economics	Shodh Sanchar Bulletin
Inclusive Health Care Strategy: A case study of Palliative Health Care in Kerala	Lakshmi N	Economics	Shodh Sarita
Adventures and Housekeepers in Enid Blyton's Five on a Treasure Island	Mary Regitha Bellarmine and Dr. J Anjana	English	Journal of Education RABINDRA BHARATI UNIVERSITY
(De)Constructing The Mythical Canon : A Reading of C.N Sreekantan Nair's The Ramayana Trilogy	Dr.Seetha Vijayakumar	English	Utkal Historical Research Journal
Subverting Notions of Hypermasculinity and Effeminacy in Pedro Almodóvar's Talk to Her and The Skin I Live In	Jijo John Varughese and Dr. Sambhu R	English	Journal of Philosophy: Rabindra Bharati University,
The figure of the Demonised Woman: The Influence of Nō Theatre on Japanese Horror Films	Jijo John Varughese Sambhu R.	English	Shodhsamhita: Journal of Fundamental & Comparative Research
Paradigms of Survival: Delineating the Quest for Identity in Chitra Banerjee Divakaruni's One Amazing Thing	Sambhu R. and Anjana R.B.	English	Jijnasa
Bioethics and the Posthuman Condition: Human Cloning in kazuo Ishiguro's Never Let Me Go	Sambhu R. and Elizabeth Joseph	English	Anvesak
Vaishwik Sandarbh Mein Hindi Prachaar Mein Jude Pravaasi Sahityakaron Ki Den	Dr.Lekshmy S S	Hindi	Shodh Sarovar Patrika

Influence of Aerobic Exercise on Body Fat Percentage of Deaf School Students	Jayakumar. K.	Physical Education	Shodh Sanchar Bulletin
Psychological Impact on Sports: A methodical study of aggression on performance among intervarsity Basketball and Volleyball players	Jayakumar. K.	Physical Education	Kala Sarovar
A Survey on Physical Education Environment and Sports Facilities of Colleges	Jayakumar. K.	Physical Education	Shodh Sarita
Unstructured Play; The Way for Creativity and Athlete Development	Jayakumar. K.	Physical Education	Shodh Sarita
Anxiety as A Psychological Parameter Among University Players	Jayakumar. K.	Physical Education	Shodh Sarita
Criquet“ To Cricket: A Retrospective Study On The Game From Historical Perspective	Jayakumar K., Lekha Pillai	Physical Education History	Shodh Sanchar Bulletin
Investigation on structural, morphological and electrochemical properties of Mn doped WO <sub>3</sub> nanoparticles synthesized by co-precipitation method for supercapacitor applications	Lakshmi Mohan, AV Avani, P Kathirvel, R Marnadu, R Packiaraj, J Richards Joshua, N Nallamuthu, Mohd Shkir, S Saravanakumar	Physics	Journal of Alloys and Compounds
Grain boundary effect on structural, optical, and electrical properties of sol–gel synthesized Fe-doped SnO <sub>2</sub> nanoparticles	V Archana, Lakshmi Mohan, P Kathirvel, S Saravanakumar	Physics	Chinese Physics B
Structural parameters versus third order optical susceptibility of zinc porphyrin molecules	Amina Yasin , Vijayakumar S Nair, Mohd Hasbi Ab Rahima, Yoshihisa Yamaoka , Chandra S. Yelleswarapu and Rajan Jose	Physics	Journal of Materials Chemistry C, J. Mater.Chem. C 2021, 9, 17461

Meso-Zn(II)porphyrins of tailored functional groups for intensifying the photoacoustic signal	Amina Yasin, Vijayakumar S. Nair, S. Assa Aravindh, Shaheen M. Sarkar, Maryam Hatamimoslehabadi, Somak Mitra, Mohd Hasbi A Rahim, Jeffrey La, Iman S. Roqan, Mashitah M. Yusoff, Chandra S. Yelleswarapu and Rajan Jose	Physics	Journal of Materials Chemistry C, J. Mater.Chem. C 2021, 9, 17461
Silver nanoparticles under nanosecond pulsed laser excitation as an intensity sensitive saturable absorption to reverse saturable absorption switching material	Edappadikkunnummal Shiju1, Kaniyarakkal Sharafudeen, T. M. Remya, N. K. Siji Narendran, Palengara Sudheesh and Vijayakumar Sadasivan Nair	Physics	Photonics
Reply to comment on “Dependence on charge transfer band and emission properties by the crystal chemistry of A- and B-site cations in Eu <sup>3+</sup> -doped quaternary pyrochlore-type red phosphors, Ca(RE) <sub>1-x</sub> (M)NbO <sub>7</sub> (RE=Y, Gd; M=Ti, Sn)”	S. K. Mahesh & P. Prabhakar Rao	Physics	Journal of Materials Science: Materials in Electronics
Bhavishyapurana - A Brief Study	Dr Jayalekshmi P A	Sanskrit	Shodh sarita, International Bilingual
Effect of Soil Edaphic and Chemical factors on the population density of a terrestrial detritivore collembolan - Cyphoderus javanus	Bhavya and Sanalkumar	Zoology	Uttarpradesh Journal of Zoology

in different places of Thiruvananthapuram			
Distribution of heavy metals in the surface waters of Neyyar River, Kerala	Badusha, M. and Sathosh, S.	Zoology	Journal of Aquatic Biology and Fisheries
Bacterial pollution indicators associated in the tissues of an estuarine fish mugil cephalus from Ashtamudi lake, a RAMSAR site (Kerala, India)	Jyothylakshmi. K , S. Nandakumar and M.G. Sanal Kumar	Zoology	Sustainability, Agri, Food and Environmental Research,
Aquatic insects, a tool for monitoring the health of riverine ecosystem, a case study of Killiyar, Thiruvananthapuram, Kerala, India	Jyothylakshmi. K, Kurian Mathew Abraham, S. Nandakumar and M.G. Sanal Kumar	Zoology	Sustainability, Agri, Food and Environmental Research,
Diversity and Abundance of Soil Microarthropods in Relation to Pedological Characteristics - A Case Study at Aranmula Panchayath, Kerala	M. G. Sanal Kumar, Akhil Kumar S and S. Nandakumar	Zoology	Research Journal of Agricultural Sciences
Recovery of Silver from Waste X-Ray film Using Crude Digestive Alkaline Fish Visceral Protease of <i>Sphyaena obtusata</i>	Akhil Kumar S., A. Palavesam and M. G. Sanal Kumar	Zoology	Research Journal of Agricultural Sciences
Effect of Fish Visceral Protease Enzyme on Growth and Survival of Fresh Water Fish <i>Catla catla</i> and the Diversity of Enzymatic Bacterial Population in Gastro Intestinal (GI) Tract	Akhil Kumar S., A. Palavesam and M. G. Sanal Kumar	Zoology	Research Journal of Agricultural Sciences
Spatio-Temporal variations in population density of terrestrial Isopod, <i>Philoscia muscorum</i> with	S. Manjary and M.G. Sanalkumar	Zoology	Uttar pradesh Journal of Zoology

reference to soil edaphic factors at selected areas of Thiruvananthapuram District Kerala			
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#### EXTENSION ACTIVITIES FOR THE ACADEMIC YEAR 2020-2021

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme
Awareness programme	NSS	COVID and Black Fungus
Providing food kits	NSS	Feed the needy programme
Blood donation	NCC,Dr. APJ Abdul Kalam Memorial Swanthanam Charitable Society, HoliCross Hospital Adoor	Blood donation campaign
Oxi Challenge	NCC & District Collectorate, Pathanamthitta	Oximeter Distribution
Cleaning Program	NCC & Higher Secondary school, Pandalam	Cleaning
Cleaning Program	NCC& Govt Hospital Charummood	Cleaning
Cleaning Program	NCC & Govt Hospital, Thottakonam	Cleaning
Cleaning Program	NCC & VVHSS School, Charummood	Cleaning
Mask Distribution	NCC & Kerala Police	Covid Relief Activity
Covid Hospital Kit	NCC& Taluk Office , Chengannur	Covid Relief Activity
Onam Kit Distribution	NCC& Pandalam Municipality	Food Distribution
Gandhi Jayanti Cleaning	NCC & Pandalam Municipality	Cleaning

#### PERFORMANCE IN SPORTS/CULTURAL ACTIVITIES AT UNIVERSITY/STATE/NATIONAL / INTERNATIONAL LEVEL

Name of the award/ medal	Team / Individual	Level of competition (University / State / National / International)	Nature of competition (Sports / Cultural)	Name of the student(s)
Kerala University Judo Championship (100 kg) - Gold Medal	Individual	University of Kerala	Sports	Denny John
Kerala University Judo Championship (90 kg) - Gold Medal	Individual	University of Kerala	Sports	Abhijith A Nair

Kerala University Judo Championship (57 kg) - Gold Medal	Individual	University of Kerala	Sports	Gayathri V Nair
Kerala University Judo Championship (70 kg) - Gold Medal	Individual	University of Kerala	Sports	Sneha S Nair
Kerala University Judo Championship (Open) - Gold Medal	Individual	University of Kerala	Sports	Swetha Prakash
Kerala University Judo Championship (81 kg) - Silver Medal	Individual	University of Kerala	Sports	Aswin K
Kerala University Judo Championship (56 kg) - Silver Medal	Individual	University of Kerala	Sports	Praveen M
Kerala University Judo Championship (52 kg) - Bronze Medal	Individual	University of Kerala	Sports	Asha Devi A
Kerala University Judo Championship (81 kg) - Bronze Medal	Individual	University of Kerala	Sports	Gokul K R
Kerala University Judo Championship (48 kg) - Bronze Medal	Individual	University of Kerala	Sports	Krishnapriya A
Kerala University Judo Championship (63 kg) - Bronze Medal	Individual	University of Kerala	Sports	Sreelekshmi G
Kerala University Wrestling Greco-Roman Championship (87 kg) - Silver Medal	Individual	University of Kerala	Sports	Abhijith A Nair
Kerala University Wrestling Championship (76 kg) - Silver Medal	Individual	University of Kerala	Sports	Swetha Prakash
Kerala University Wrestling Championship (68 kg) - Silver Medal	Individual	University of Kerala	Sports	Sneha S Nair
Kerala University Wrestling Championship (62 kg) - Silver Medal	Individual	University of Kerala	Sports	Sreelekshmi G
Kerala University Wrestling Greco-Roman Championship (60 kg) - Bronze Medal	Individual	University of Kerala	Sports	Praveen M
Kerala University Wrestling Greco-Roman Championship (97 kg) - Bronze Medal	Individual	University of Kerala	Sports	Krishnakumar P
Kerala University Wrestling Greco-Roman Championship (77 kg) - Bronze Medal	Individual	University of Kerala	Sports	Gokul K R

Kerala University Wrestling Championship (57 kg) - Bronze Medal	Individual	University of Kerala	Sports	Gayathri V Nair
Kerala University Wrestling Championship (79 kg) - Bronze Medal	Individual	University of Kerala	Sports	Nikhil Sankar S P
Kerala University Wrestling Greco-Roman Championship (82 kg) - Bronze Medal	Individual	University of Kerala	Sports	Aromal M
Kerala University Wrestling Greco-Roman Championship (67 kg) - Bronze	Individual	University of Kerala	Sports	Anandhan V S
Kerala University Wrestling Championship (92 kg) - Bronze Medal	Individual	University of Kerala	Sports	Denny John
Kerala University Taekwondo Championship (87+ kg) - Bronze Medal	Individual	University of Kerala	Sports	Abhijith Govind
Kerala University Taekwondo Championship (46 kg) - Bronze Medal	Individual	University of Kerala	Sports	Soumya M K
Annual NCC Republic Day Camp at New Delhi	Individual	NCC	National Level	Amal Raj
Annual NCC Republic Day Camp at New Delhi	Individual	NCC	National Level	Anandhu S. Nair
Annual NCC Republic Day Camp at New Delhi	Individual	NCC	National Level	Krishnapriya

### TEACHING AND NON-TEACHING STAFF PARTICIPATING IN FACULTY DEVELOPMENT PROGRAMMES

Name	Designation	Title of the FDP /MDP/ professional development / administrative training program	Dates (from-to) (DD-MM-YYYY)
<b>Orientation or Induction Programme</b>			
Ms. Parvathy Vijayan	Assistant Professor	UGC Sponsored Induction Programme	06-10-2020 to 05-11-2020
Ms. Lakshmi Prasannan	Assistant Professor	UGC Sponsored Induction Programme	03-09-2020 to 02-10-2020
Dr. Reshma G	Assistant Professor	UGC sponsored Faculty Induction Programme Organized by UGC-HRDC Kannur University	03-09-2020 to 02-10-2020
<b>Refresher Course</b>			

Dr. Santhosh Kumar R	Assistant Professor	Refresher Course in Environmental Sciences	10-02-2021 to 23-02-2021
Dr. Sandhya P	Assistant Professor	Multidisciplinary Refresher Course in Education and Teaching Methods	29-07-2020 to 3-08-2020
Dr. Pillai Lakshmi Sreekumar	Assistant Professor	Refresher Course in Life Sciences	12-08-2021 to 25-08-2020
Dr. Muthumon T R	Assistant Professor	Refresher Course in development studies	04-01-2021 to 16-01-2021
Dr. Sunil Chandran S	Assistant Professor	Refresher Course in Techno pedagogy tools towards digital era of technology	28-09-2020 to 11-10-2020
Dr. Akhil V	Assistant Professor	Refresher Course in Development studies	04-01-2021 to 16-01-2021
Dr. Sreevidhya S	Assistant Professor	Summer School in Computational Social Science	23-02-2021 to 08-03-2021
Ms. Ambily P R	Assistant professor	UGC Sponsored Refresher Course in Earth Science, HRDC Kannur	09-03-2021 to 22-03-2021
Dr. Lekshmy S S	Assistant Professor	Refresher Course IN Techno Pedagogy Tools Towards Digital Era of Teaching	28-09-2020 to 11-10-2020
Dr. Lekha Pillai	Assistant Professor	Refresher course in reserch methodology	04-08-2020 to 18-08-2020
Dr. S. VijayaKumar	Assistant Professor	Refresher course on Physical Science	09-10-2020 to 22-10-2020
Dr. S. VijayaKumar	Assistant Professor	Refresher course in Education and Teaching Methods	17-03-2021 to 30-03-2021
Dr. Rakhi R.	Assistant Professor	Refresher course on Research Methodology: Tools and Techniques	07-07-2020 to 20-07-2020
Dr. Anjali R.	Assistant Professor	Refresher course on Research Methodology and Data Analysis	24-03-2021 to 07-04-2021
Dr. Rakhi R.	Assistant Professor	Refresher course on Astronomy and Astrophysics	10-05-2021 to 11-06-2021
Dr. Sandhya B Nair	Assistant Professor	Refresher Course - Sanskrit	10-12-2020 to 23-12-2020
Dr. Vinod P	Assistant Professor	UGC-HRDC sponsored live online Refresher course in Environmental sciences(Interdisciplinary)	10-02-2021 to 23-02-2021
Dr. Devi R. R	Assistant Professor	UGC- HRDC Gujarat University, Ahemedabad "UGC sponsored Refresher Course in Life Science"	07-09-2020 to 20-09-2020



Dr. Sreekala.B	Assistant Professor	Online Refresher Course in English Language and Literature	03-11-2020 to 16-11-2020
Dr. Sambhu.R	Assistant Professor	Online Refresher Course in Language, Literature and Cultural Studies	05-02-2021 to 18-02-2021
Dr. Rekhasree K R	Assistant Professor	Refresher Course on Research Methodology for Faculty of Social Sciences	05-08-2020 to 19-08-2020
Dr. C.R.Jyothy	Assistant Professor	Online Subject Refresher Course in English	12-01-2021 to 25-01-2020
Dr. Ranjith Krishnan.K.R	Assistant Professor	Refresher Course in English Language	02-11-2020 to 14-11-2020
Dr. Sreenath K	Assistant Professor	Refresher Course in Chemistry for Higher Education, Online, ARPIT SWAYAM, Ministry of Education, Govt. of India	01-12-2020 to 31-05-2021
Dr. Jeena V R	Assistant Professor	Refresher Course in Chemistry for Higher Education, Online, ARPIT SWAYAM, Ministry of Education, Govt. of India	01-12-2020 to 31-05-2021
Dr. Sreedhanya S.	Assistant Professor	Refresher Course in Chemistry for Higher Education, Online, ARPIT SWAYAM, Ministry of Education, Govt. of India	01-12-2020 to 31-05-2021
Dr. Sarish S	Assistant Professor	Refresher Course in Material Science, UGC-HRDC, University of Kerala	15-10-2020 to 28-10-2020
Dr. Sandhya R	Assistant Professor	Refresher Course in Chemistry for Higher Education, Online, ARPIT SWAYAM, Ministry of Education, Govt. of India	01-12-2020 to 31-05-2021
Dr. Reshma G.	Assistant Professor	Refresher Course in Chemistry for Higher Education, Online, ARPIT SWAYAM, Ministry of Education, Govt. of India	01-12-2020 to 31-05-2021
Dr. Sreeprasad R.	Assistant Professor	Refresher Course in Languages	16-11-2020 to 28-11-2020
Dr. K. Mini	Assistant Professor	UGC Sponsored Live online Refresher Programme, U.G. C. HRDC University of Kerala	09-03-2021 to 22-03-2021

Dr. Shibu M P	Assistant Professor	Refresher Course on Research Methodology for Faculty of Social Sciences	04-08-2020 to 18-08-2020
Dr. Shibu M P	Assistant Professor	Refresher Course on Laws Democracy and Institutions	26-04-2021 to 11-05-2021
Ms. Salini J S	Assistant Professor	Refresher Course in Managing online classes & co-creating MOOCS5.0	11-05-2021 to 25-05-2021
Dr. Sunil Chandran S	Assistant Professor	Refresher Course (Multidisciplinary) in Techno Pedagogy Tools Towards Digital Era of Teaching	28-09-2020 to 11-10-2020
Mr. Promod Gopal	Assistant Professor	Refresher Course in Commere and Management	17-11-2020 to 30-11-2020
Ms. Anjula C S	Assistant Professor	Online Interdisciplinary Refresher Course in Cognitive Economics, Commerce and Business Management	20-01-2021 to 02-02-2021
<b>Short Term Course</b>			
Ms. Lakshmi N	Assistant Professor	Short term course in Research Methodology	17-12-2020 to 23-12-2020
Ms. Lakshmi N	Assistant Professor	Short term course in Disaster Management	19-02-2021 to 25-02-2021
Dr. Lekha Pillai	Assistant Professor	STC on Humanities and social theory	07-10-2020 to 14-10-2020
Dr. Lekha Pillai	Assistant Professor	STC on Soft skill programme	23-09-2021 to 29-03-2021
Mrs. Lekshmi Devi Kunjamma G	Assistant Professor	Short Term Course in Advanced Group Theory	16-12-2020 to 22-12-2020
Dr. Shylaja S	Assistant Professor	Short-Term Course in Research methodology	17-12-2020 to 23-12-2020
Dr. Sreekala.B	Assistant Professor	Online Short-term Course in Student Mentoring and Counselling	20-08-2020 to 26-08-2020
Dr. Sreekala.B	Assistant Professor	Online Short-term Course in Research Methodology	17-12-2020 to 23-12-2020
Dr. Rekhasree K R	Assistant Professor	Short term Course on Disaster Management	19-02-2021 to 25-02-2021
Dr. Seetha Vijayakumar	Assistant Professor	Online Short-term Course on Value based Education	24-09-2020 to 30-09-2020
Dr.C. Pradeepkumar	Assistant Professor	STC in Research Methodology	17-12-2020 to 23-12-2020
Dr. Chithra.V	Assistant Professor	Short - Term Course in Leadership Development Programme	29-01-2021 to 04-02-2021
Dr.C. Pradeepkumar	Assistant Professor	STC in Leadership Development Programme	29-01-2021 to 04-02-2021

<b>Faculty Development Programme</b>				
	Ms. Revathy.S	Assistant Professor	Seven Day National FDP on Emerging Trends of Pedagogy in Language,Literature and Social Sciences	13-07 -2020 to 19-07-2020
	Dr. Sambhu.R	Assistant Professor	Seven Day National FDP on Emerging Trends of Pedagogy in Language,Literature and Social Sciences	13-07-2020 to 19-07-2020
	Dr. Sreekala.B	Assistant Professor	Seven Day National FDP on Emerging Trends of Pedagogy in Language,Literature and Social Sciences	13-07-2020 to 19-07-2020
	Dr. Jithesh Krishnan R	Assistant Professor	FDP in Emerging Pollutants and their Challenges on Earths Ecosystem	16-11-2020 to 20-11-2020
	Ms. Salini J S	Assistant Professor	FDP in online education in Higher education institution	19-10-2020 to 23-20-2020
	Dr. Jyolsna S	Assistant Professor	One week FDP in Capacity Building in Drafting Proposals for Funded Research	05-10-2020 to 11-10-2020
	Ms. Maya C S	Assistant Professor	Two-week FDP in Media and Art in Teaching and Learning (Interdisciplinary)	12-01-2021 to 25-01-2021
	Ms. Gayathri S	Assistant Professor	Two-week FDP in Media and Art in Teaching and Learning (Interdisciplinary)	12-01-2021 to 25-01-2021
	Dr. Radhika Krishnan	Assistant Professor	One week FDP in Capacity Building in Drafting Proposals for Funded Research	05-10-2020 to 11-10-2020
	Dr. Asadevi G	Associate Professor	Natural Language Processing (FDP)	17-08-2020 to 21-08-2020
	Dr. Sandhya B Nair	Assistant Professor	Natural Language Processing (FDP)	17-08-2020 to 21-08-2020
	Dr. Jayalekshmi P A	Assistant Professor	Natural Language Processing (FDP)	17-12-2020 to 23-12-2020
	Dr. Jayalekshmi P A	Assistant Professor	Media and Art in Teaching and Learning (FDP)	12-01-2021 to 25-01-2021
	Dr. Shylaja S	Assistant Professor	Towards a Digital Era of Teaching and Learning (Interdisciplinary FDP)	12-08-2020 to 18-08-2021
	Dr. Shylaja S	Assistant Professor	Natural Language Processing (FDP)	17-08-2020 to 21-08-2020

Dr. Shylaja S	Assistant Professor	Innovative Practices for Academic Excellence (Multidisciplinary FDP)	18-01-2021 to 30-01-2021
Dr. Sambhu.R	Assistant Professor	FDP on ICT Enhanced Teaching, Learning and Creating MOOCs	18-08-2020 to 25-08-2020
Dr. Rekhasree K R	Assistant Professor	FDP on Safety and Hygiene in Online(Cyber)World.	01-03-2021 to 08-03-2021
Dr. Vineetha Krishnan	Assistant Professor	FDP on Media and Art in Teaching and Learning(Interdisciplinary )	12-01-2021 to 25-01-2021
Ms. Lakshmi Prasannan	Assistant Professor	Short term FDP on Academic Writing	18-02-2021 to 24-02-2021
Ms. Lakshmi Prasannan	Assistant Professor	Short term FDP on Towards a Digital Era of Teaching and Learning	12-08-2020 to 18-08-2020
Dr. C.R.Jyothy	Assistant Professor	FDP on Online Education in Higher Education	03-08-2020 to 07-08-2020
Dr. Seetha Vijayakumar	Assistant Professor	Short term FDP on Towards a Digital Era of Teaching and Learning	12-08-2020 to 18-08-2020
Ms. Revathy.S	Assistant Professor	Short term FDP on Academic Writing	18-02-2021 to 24-02-2021
Ms. Revathy.S	Assistant Professor	Short term FDP on Towards a Digital Era of Teaching and Learning	12-08-2020 to 18-08-2020
Ms. Revathy.S	Assistant Professor	Two Week FDP on Managing Online Classes and Co-Creating MOOCs	25-07-2020 to 10-08-2020
Dr. C.R.Jyothy	Assistant Professor	Two Week FDP on Managing Online Classes and Co-Creating MOOCs	25-07-2020 to 10-08-2020
Dr. C.R.Jyothy	Assistant Professor	Short term FDP on Towards a Digital Era of Teaching and Learning	12-08-2020 to 18-08-2020
Dr. Renjusha S	Assistant Professor	Online Short Term faculty development programme; Organized by UGC-HRDC, University of Kerala & DB College Sasthamcotta.	12-08-2020 to 18-08-2020
Dr. Sreenath K	Assistant Professor	Online Short Term faculty development programme; Organized by UGC-HRDC, University of Kerala & DB College Sasthamcotta.	12-08-2020 to 18-08-2020
Dr. Sandhya R	Assistant Professor	One Week National Online FDP on Quality Science Education in India in the 21st Century , PMMMNTT -GAD	03-11-2020 to 09-11-2020

			TLC & Christ College Irinjalakuda)	
Dr. Sreenath K	Assistant Professor		FDP in MANAGING ONLINE CLASSES AND CO-CREATING MOOCS 3.0 ,Two Week, Online , July 25 - August 10, 2020, Organized by Teaching Learning centre, Ramanujan College, University of Delhi & PMMMNTT Ministry of Education, Govt. of India.	25-07-2020 to 10-08- 2020
Dr. Sreeprasad R.	Assistant Professor		FDP in Emerging Trends of Pedagogy in Language,Literature and Social Sciences	13-07 -2020 to 19-07- 2020
Dr. K. Mini	Assistant Professor		FDP in National Language Processing (NLP).	17-08-2020 to 21-08- 2020
Dr. R.Aswathy	Assistant Professor		FDP in National Language Processing (NLP).	17-08 -2020 to 21-08- 2020
Dr. M Suresh	Assistant Professor		Two week Faculty Development programme- Media and Art in Teaching &learning (inter disciplinary )-organised by Ministry of Education, Govt. of India &Guru Angad Dev Teaching Learning Centre.	12-01-2021 to 25-01- 2021
Dr. Shibu M P	Assistant Professor		Two Weeks FDP on Enhancing Psychological Skill for Teaching and Practice	15-09-2020 to 29-09- 2020
Mr. Reghunath V	Assistant Professor		One Week FDP on Open source tools for research	08-06-2020 to 14-06- 2020
Mr. Reghunath V	Assistant Professor		One Week FDP on Entrepreneurship, incubation and innovation	23-06-2020 to 29-06- 2020
Dr. Shibu M P	Assistant Professor		One Week FDP on Data Analysis using SPSS	25-05-2021 to 31-05- 2021
<b>Workshops</b>				
Dr. Krishnakumar A	Assistant Professor		One-week Interdisciplinary National Workshop on“Ebb and Flow: Surveying the Emerging and Declining Trends in History and Allied Disciplines”	15-03-2021 to 19-03- 2021
Dr. Sandhya B Nair	Assistant Professor		Ten Days National Workshop on NLP	10-08-2020 to 28-08- 2020
Dr.Sreeprasad R	Assistant Professor		Workshop on Contemporary Critical Trends in Literature	22-06-2020 to 28-06- 2020

<b>Conferences</b>				
	Dr.Rajesh R	Assistant Professor	International Web Conference on Cooperatives , Mutual aid and Solidarity Economies	28-01-2021 to 30-01-2021
	Dr.Rajesh R	Assistant Professor	International Virtual Conference on Emerging Trends, Issues and Challenges of Global Economy	18-03-2021 to 19-03-2021
	Dr.Remyakrishna n R	Assistant Professor	International Web Conference on Cooperatives , Mutual aid and Solidarity Economies	28-01-2021 to 30-01-2021
	Dr.Remyakrishna n R	Assistant Professor	International Virtual Conference on Emerging Trends, Issues and Challenges of Global Economy	18-03-2021 to 19-03-2021
	Dr.Sreeprasad	Assistant Professor	The 2020 Conference on 'Researcher's Journey'	12-06-2020
<b>Training Programmes</b>				
	Dr.Remyakrishna n R	Assistant Professor	Ten day Short Term Course in E Teaching with Learning Management Systems	01-06-2020 to 10-06-2020
<b>Other Professional Development Programmes</b>				
	Dr. R.Asathy	Assistant Professor	FDP on Birudamalayalam Puthu Samepanangal Sadhyathakal.	03-12-2020

During the pandemic, when colleges remained closed and everyone shifted to online classrooms, teachers turned this challenging time into an opportunity for growth and learning. The sudden shift to digital education encouraged educators to explore new methods of teaching and professional development. Many teachers enrolled in online courses and workshops offered by specialized institutions, gaining expertise in various subjects like MOOCs (Massive Open Online Courses) and other e-content resources. Institutions in distant places, once difficult to access, became easily reachable through online platforms, enabling teachers to participate in global web conferences, seminars, and webinars. This exposure not only improved their subject knowledge but also enhanced their digital proficiency, enabling them to deliver more engaging and interactive online classes. A total of 33 teachers participated in refresher courses, 29 teachers were part of various FDPs and 10 teachers engaged in short term courses offering them valuable opportunities to explore specific subjects and methodologies in

greater depth. These programs allowed educators to enhance their expertise and stay updated with the latest developments in their fields.

### **Conclusion**

As we reflect on the past year, we take pride in the significant strides N.S.S. College, Pandalam, has made in fostering academic excellence, social responsibility, and transformative learning. Our commitment to empowering students from diverse backgrounds has yielded remarkable results, evident in their outstanding achievements and meaningful contributions to society.

The pandemic-induced shift to online education presented unprecedented challenges, but our teachers seized this opportunity to reinvent and enhance their teaching methodologies. Through dedication and perseverance, they leveraged digital platforms to expand their expertise, embracing innovative approaches to education. Participation in online courses, workshops, refresher courses, and Faculty Development Programs (FDPs) enabled 72 teachers to upgrade their subject knowledge and digital proficiency. This newfound expertise empowered them to deliver engaging, interactive online classes, bridging geographical divides and fostering global connections. Looking ahead, we are poised to build on this momentum, continuing to nurture responsible citizens, critical thinkers, and visionary leaders who will shape the future of our nation. With gratitude to our faculty, staff, students, and stakeholders, we celebrate another year of growth, innovation, and service to our community.

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**Coordinator, IQAC**

**Principal**