

Annual Report, S. N. College, Punalur
2017-2018 Academic Year Submitted to SREE NARAYANA TRUST, KOLLAM



SREE NARAYANA COLLEGE
PUNALUR-691 305, KERALA, INDIA
Affiliated to the University of Kerala & Reaccredited by NAAC with B Grade (2.51)
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Sl. No.	Description	
1	Courses for which affiliation is sought for, during 2018-19	B.A. Politics, B.Sc. Botany, M.A. History & M.Sc. Applied Chemistry
2	Course sanctioned for 2017-18	NIL
3	a) Details of Construction & Maintenance carried out during the year 2017-18	NIL
	b) Construction and Developmental Activities carried out by the Management	NIL
4	Report of Furniture procured during the year with expenditure incurred	NIL
5	Short Term Courses conducted With/without affiliation of the University(Report in details required)	NIL
6	Achievements of Students in Curricular & Co-curricular activities	Enclosed in Part B
7	Results of University examination 2017-18 in detail (Attach separate sheet)	Enclosed in Part B
8	Strength of students 31-10-2017 in the Performa "A" attached	Attached
9	Caste-wise statement of strength teaching and Non-teaching 31-10-2017 in the Performa "B" attached	Attached
10	Developmental activities undertaken by PTA	Enclosed in Part A
11	A brief description on the working of the institution during 2017-18	Enclosed in Part A
12	Future developments proposed for the college building, Lab, equipment, furniture and the amount requirement for the same	Enclosed in Part B, along with each departmental details
13	Approximate income from landed property and other sources	NIL

SREE NARAYANA COLLEGE, PUNALUR
ANNUAL REPORT- PART-A

Established in 1965, S.N. College, Punalur has come a long way in emerging itself as one of the noted educational institutions of the region. Amidst of green serenity the college is bestowed with highly talented students that promote the overall development of the college. The year 2017-18 was marked with several golden academic and non-academic events, achievements and initiatives, all of which served to strengthen the College profile. This can be attributed to the dedication and team spirit of the Management, Staff, PTA and above all students of the college.

ACADEMICS:

Faculty Excellence

Reshma.R, Deepthi P.S and Resmi Ravindran of English Department, Lekshmi R S of Physics Department, Neethu Pradeep of Chemistry Department, Sajitha S of Commerce Department and Biji M S of Malayalam Department have attended the Orientation program conducted by HRDC of Kerala and Calicut University and Praveen K.H of Physics Department and Jasmine Rose of Maths Department have attended the Refresher course conducted by HRDC, Kerala University. Lt. Dr. Arun. V, Department of Chemistry is a Research Guide of the University of Kerala and one research scholar is working under his guidance. Lt. Dr. Arun. V is also doing a Major Research Project of Rs. 11,24,800/- awarded by UGC and Raji V and Dr. Gopan Raj of the same department and Dr. DivyaSadasivan of Maths Department are doing Minor Research Project sponsored by UGC.

TEACHING STAFF 2017-18

Department	Assistant Professors	Associate Professors	Total
Commerce	4	0	4

History	1	0	1
English	6	0	6
Zoology	3	0	3
Oriental languages	2	1	3
Economics	1	0	1
Chemistry	7	0	7
Mathematics	4	2	6
Physics	3	0	3
Physical education	0	1	1
Total	31	4	35

Student Enrolment 2017-18

Sl. No.	Subject	Total Number of Students Enrolled		
		I Year	II Year	III Year
1	B.Sc. Mathematics	40	35	36
2	M.Sc. Mathematics	15	12	-
3	B.Sc. Zoology	33	32	27
4	B.Com, Commerce	72	65	65
5	B.Sc. Chemistry	53	43	48
6	M.Sc. Chemistry	15	12	-
7	B.A. History	58	55	54
8	B.Sc. Physics	42	38	36
9	M.Sc. Physics	18	15	-
10	B.A. English	43	38	31
11	B.A. Economics	58	54	46
	Total			1189

Cast wise list

Sl.No.	Department	Ezhava	Nair	Christian	Muslim	Others
1	Chemistry	71	42	6	11	29

2	Physics	54	33	7	8	25
3	Mathematics	53	21	10	11	24
4	Zoology	42	8	6	7	25
5	English	44	14	7	10	26
6	Economics	51	19	10	15	45
7	History	57	21	7	15	53
8	Commerce	78	26	14	19	59

Student’s Achievements

Amal CS, B.Sc. Chemistry student secured FIRST RANK in the University of Kerala B.Sc. Chemistry. This was the first time achievement of the history of college. From the part of students, 6 students of B.Com won C MAT exam and 5 won K MAT entrance exams. Many students from various disciplines have gone abroad for higher studies and many have got job placements in government and private sectors. Gayathri M of 4 semester Bsc Zoology had been selected for 2 Months summer internship program at The *Institute for Stem Cell Biology and Regenerative Medicine (inStem), Bangalore.*

Achievements in Co- Curricular activities

Keerthi. T. S. of Third Year B.A. History had been selected for a District level debate competition conducted by Mathrubhumi foundations. Gayathri M of 4 sem Bsc Zoology has bagged 1st prize in the painting competition and Sreekar Parsad of the same class has bagged second prize in the quiz competition conducted in association with World Wet Land Day Celebrations. Students of the various departments represented the college in the various competitions like Thiruvathira, recitation in English, Malayalam, Tamil, Classical music, group song, poetry writing in English, elocution in English, debate etc. at the Kerala University Youth festival held at Kollam. Besides, Ayana Soory of I B.A. Communicative English secured III prize in Tamil recitation in the Kerala University Youth festival held at Kollam.

Result Analysis 2017-18

Sl. No.	Subject	Students appeared in the final year	No of students Passed	Pass % age
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1	B.Sc. Mathematics	33	25	75.76
2	M.Sc. Mathematics	11	8	72.73
3	B.Sc. Zoology	27	16	59.26
4	B.Com, Commerce	62	40	64.52
5	B.Sc. Chemistry	39	16	41.03
6	M.Sc. Chemistry	11	5	45.45
7	B.A. History	41	13	31.71
8	B.Sc. Physics	30	19	63.33
9	M.Sc. Physics	14	5	35.71
10	B.A. English	28	16	57.14

SEMINARS - organized/ presented/participated

The Departments of Zoology and Botany have played a laudatory role in furthering the academic activities of the college. In the academic year 2016-2017 these departments have hosted 4 National Seminars chiefly sponsored by the Kerala State Council for Science, Technology and Environment (KSCSTE). 3 of these national seminars were co-ordinated by Dr. Biju C., HOD Department of Botany and one of them by Dr. Divya. R, Assistant Professor, Dept of Zoology. Jasmine Anand, HOD of the Zoology Department organized an awareness program, “Urja Kiran” as part of Energy Conservation Public Awareness Campaign, (Govt. of Kerala). Apart from these a field-oriented activity was conducted by Dr. Biju C., HOD Department of Botany in association with World Wetland Day celebrations and a rally organized in connection with.

The department of English in association with ASAP jointly organized a Personality Development programme on 11.01.2017 at the College Auditorium. The spokes-man of the occasion was Dr. Premlet B, Retired Associate Professor, T.K.M. College of Engineering, Karicode and the programme was coordinated by Mrs.Resmi Ravindran, Department of English. Final year students of all the departments attended the programme.

In course of the academic year, faculties Lt. Dr. Arun. V, Department of Chemistry, Dr. Sujathakumari and Dr. Bijo S. Anand of Department of Mathematics, Mrs. Kavitha K.S. Mrs. Sajitha S., Mrs. SilpaSasankan and Mr. Rinku Babu of Department of Commerce,

Mrs. Deepthi P.S and Mrs Resmi Ravindran of Department of English, Lili V. Bhaskaran of Malayalam Department and Dr. Jasmine Anand and Dr. Biju C of Department of Zoology have presented papers in various National/International seminars and conferences. Six teachers from Departments like Chemistry, Mathematics, Communicative English, Commerce and Physics Departments have published papers in International and National journals. 12 teachers have attended different workshops. Two Minor Student Projects- SPYTIS 11-2018, has been sanctioned by Kerala State Council for Science, Technology and Environment to Dr Jasmine Anand and Dr Divya R of the Zoology Department. Dr. Jasmine Anand published a book titled, Developmental Biology and Experimental Biology with ISBN: 978-93-86218-55-1

During the year 2017-18, three training sessions for teaching and non-teaching staff were conducted by the IQAC. Teachers were given a session on the topic Outcome-based Education on 05/07/2017. The resource person of the session was Dr. Gopan Raj (Asst. Prof., Dept. of Chemistry, SN College Punalur). Another training program was organized by the IQAC on the topic Training Leadership Traits on 17/08/2017. The programme was conducted as two separate sessions for teaching and non-teaching staff.

Other initiatives

The Government initiative programs like ASAP, WWS and SSP have nurtured the talents of the students and plays a pivotal role in bringing up the students into the forefront of the society. Orientation classes as part of external mentoring of WWS were carried out throughout the year. Second year Chemistry students in WWS program have started a new program of “Walk With my Friend” to gear up the slow learners in their batch. A large no of students got selected as the candidates for attending the summer skill skool-ASAP. Almost 100 students registered for this vacation’s vocation. Besides 45 students from the final year UG & PG programs were selected through series of interviews for the training program of ASAP namely Communicative English Trainers 2018. The SSP conducts classes for enhancing the potential of academically weak students. In the academic Year we have started a new program of Spoken tutorial program for PG students in association with IIT Bombay, the Knowledge Partner of University of Kerala, to provide Basic IT and Skill oriented IT/ Software courses to students for free of cost.

NON TEACHING STAFF 2017-18

Sl. No.	Type	Nos
1	Junior Superintendent	1
2	Head Accountant	1
3	UD Clerk	2
4	LD Clerk	2
5	Librarian	1
6	LD/UD Computer Assistant (LD 1)	1
7	Mechanic	1
8	Library Assistant	2
9	Laboratory Assistant	5
10	Office Attendant	0
Total		16

EXTRACURRICULAR ACTIVITIES**Sports**

The Department of Physical education has always played a crucial role in nurturing the fame of the college through the enhancement of the sports skills in the students. Sports and games activities of the college were very much active and alive during the year 2017-18. Cross Country (Men) team secured first runner up position in the Kerala University Inter Collegiate Cross Country Championship, held at St. John's College, Anchal. Cricket (Men) team secured first runner up position in the Kerala University North Zone Inter Collegiate Cricket Championship, held at Ashramam Ground, organized by D.B College, Sasthamkotta. Sidharth Jayan, of I BA Economics has won second position in under 70 kg category in Kerala University Inter Collegiate Best Physique Championship, held at St. Cyril's College, Adoor and has also won the "Junior Mr. Kollam" title in the Kollam District Junior Best Physique Championship 2017-18. Arjun Suresh, of II BCom has won Third position in under 77 kg category in Kerala University Inter Collegiate Teakwondo Championship, held at L.N.C.P.E, Thiruvananthapuram. Akhil. A, of III BA History has won First position in Shot Put in the College Games 2017- 18 Championship, organized by Kerala State Sports Council, held at Medial College Ground,

Kozhikode. Athletics (Men) team won the Overall Championship in Men Section in the Kollam District Athletics Championship-2017, held at Lal Bahadur Stadium, Kollam. The Department of Physical Education and its eminent group of sports men brought glorious victory to the college.

NSS

The NSS unit of the College functions very effectively in public welfare programs. The unit has taken initiative for conducting Blood donation camps, Traffic Awareness Rally etc. Besides, a training program was conducted on the production of value-added product and the unit has shared its hands to distribute old clothes as part of 'Haritha Kerala Mission', a comprehensive program of Govt. of Kerala for effective waste management. Under this unique program, setting up a 'swap shop' at 93 places across the state, where reusable products that are not used can be conserved and given to those who need them, free of cost.

NCC

NCC too has a most vital role in the progression of the college

Counseling and Career Guidance

The Counseling and Career Guidance Cell had a rigorous role in student well-being as well as awareness. Significant work was done by the Counseling cell in order to address the mounting stress and strain problems found amidst the students at both PG and UG levels. The Career Guidance Cell also organized counseling sessions as well as classes on placement and career opportunities which received an enthusiastic approval from the student body.

ASAP 2017-2018

An orientation class for the First Year Degree students was conducted for the third batch of ASAP on 4/8/17 at 12:00 pm in the college auditorium. Mr. Ajinsha, the P.M. of Punalur SDC, Mr. Ajesh, Mr. Sandeep, Ms. Sherin, the SDEs and Ms. Haina the P.E. handled the classes. All the first semester students attended the orientation programme of ASAP and application forms were distributed among the interested students. An interview was conducted for the skill allotment to the selected students at Government H S S, Punalur.

The batch 2017-2018 was inaugurated on 2/11/17 at 10:00 am in the seminar hall. The classes of ASAP started from December 2017 with Ms. Sherin Mathews as the SDE and Mr. Ajinsha as the Programme Manager in our college. The scheduled time is 9.00 am to 10.00 am in the Seminar Hall. The classes for the Skill Course are to be conducted on Saturdays

and sundays at Punalur SDC. There are 30 students in the new batch. The Foudation course and the skill course of batch 2016-2017 are undergoing. The first has completed their course.

Eight students from ASAP are actively participating in the College Radio- Cappuccino and three of them are acting as RJs of the college. On Mother's Day the students of ASAP visited Maathruaalayam and cooked and served food to the mothers who are deserted by their loved ones in life. The ASAPians are now preparing a 'KaiyeshuthuMaaziga' and Online Newsletter. Soon they will be published.

Other achievements

During the academic year, a new initiative namely College Radio – Cappuccino was started. Nine students from various disciplines actively participate in Radio and four of them enact as Radio-Jockeys. The programme is scheduled for half an hour in the afternoon. General-knowledge, News headlines, Health tips and songs are aired daily. The programme is coordinated by Mrs. Resmi Ravindran, Department of English.

The PTA has played a substantial role in the overall infrastructural development of the college. With the help of funds provided by the PTA several new amenities have been installed.

PRINCIPAL

S.N. College, Punalur

ANNUAL REPORT- PART-B**DEPARTMENT WISE BRIEF WORK REPORT FOR THE ACADEMIC YEAR 2017-18****DEPARTMENT OF CHEMISTRY**

The department is focused on fulfilling the social and educational mission of the great social reformer, Sree Narayana Guru by giving the best education possible to the UG and PG students. Faculties maintain accessibility to our students and also work in collaboration with each other and other departments through the University of Kerala. Along with developing academic proficiency, the department also aims to increase the general cultural background of all students, to prepare chemistry majors for post graduate study, to equip them for industrial/laboratory/research/teaching positions. The department believes in maintaining high standards and follows the guidance of the university of Kerala and UGC. We continue to work towards being the best all-around chemistry department in the state.

The usual department programmes for the academic year 2017-2018 started on June itself. Regular meetings were conducted in the department for planning and achieving departmental activities. Amal CS, of B.Sc. Chemistry secured **FIRST RANK** in the University of Kerala B.Sc. Chemistry. This was the first-time achievement in the history of college. Post graduate students participated in seminars. Final year UG and PG students completed their project work in the college itself. Special classes were conducted on holidays for the students who need special attention/improvement. Remedial classes were conducted for students who have failed in the previous examinations. Regular internal examinations, assignments and seminars were conducted for PG and UG students. As part of the syllabus, B.Sc. students visited Sangroose pharmaceuticals Pvt Ltd Mavelikara –and part of the chemical characterization of project, second year PG students went various analytical laboratories in Kerala. Teachers of the department participated in various workshops, national and international seminars. All the teachers actively participated in centralized valuation camps and practical examination duties deputed by the University of Kerala. Further, the Department is now active in the field of research with ongoing one UGC-Major Research Project and three other UGC-Minor Research Projects. Department will be developed to a research centre in the near future. The department is now funded with DST-FIST in addition to UGC and State Government.

- **Faculties**

1. Lt. Dr. Arun. V: M.Sc., B.Ed, Ph.D. ; Assistant Professor & Head
2. Raji. V: M.Sc., Assistant Professor
3. Dr. Gopan Raj: M.Sc., PhD,; Assistant Professor
4. Neetu Pradeep: M.Sc., Assistant Professor
5. Dancy Surendran: M.Sc., Assistant Professor
6. Dr. Deepa JP: M.Sc., B.Ed, Ph.D. ; Assistant Professor
7. Dr. Divya V: M.Sc., Ph.D. ; Assistant Professor
8. Post vacant
9. Post vacant
10. Post vacant

- **Students**

1. B.Sc. First Year: 53
2. B.Sc. Second Year: 43
3. B.Sc. Third Year: 48
4. M.Sc. First Year: 15
5. M.Sc. Second Year: 12

- **Achievements of the teachers and students in curricular and co-curricular activities.**

All the teachers in the department have good educational backgrounds. They are actively involved in teaching, participating and conducting seminars, delivering and presenting research papers.

Amal CS, B.Sc. Chemistry student secured **FIRST RANK** in the University of Kerala B.Sc. Chemistry. This was the first time achievement of the history of college. Final Year B.Sc. students secured 70.01 % results. Amal CS received Prof. Veena Endowment fellowship. M.Sc. Students secured 83.3 % results and Sruthy secured the top position.

- **Coordinator/ Convener**

1. **Lt. Dr. Arun. V:** HOD (Chemistry), Principal in Charge (DDO), Associated NCC Officer, Coordinator, IQAC, Convener (FIST Programme of DST), Institutional Level Coordinator,

RUSA-SPD, Convener (Planning Board), Mentor (WWS Program) and Convener (Publication Committee).

2. **Raji. V:** - Coordinator (CLMC), Convener (Public Relation committee), Member (College hostel.)
3. **Dr. Gopan Raj:** Mentor (WWS Programme), Member (Environmental Club) and Convener (Club)
4. **Neetu Pradeep:** Convener (Counseling cell)
5. **Dancy Surendran:** Convener, Debate Club, Convener (Career Guidance)
6. **Dr. Deepa JP:** Member (PTA executive) and Member (Science Club)
7. **Dr. Divya:** Coordinator (Scholar Support Programme), Mentor (WWS Program), Member, staff executive.

- **Facilities created**

The Department has almost necessary facilities run the PG, UG and Research programs. No new facilities were created during this academic year. Departmental facilities were created under the financial assistance of FIST programme of DST, UGC, State government and SN Trust. Under FIST programme of DST, the department has purchased and installed two major equipments (FTIR Spectrophotometer and Spectro electrochemical work station), set a computer lab with networking facility, purchased and installed rotary evaporator along with a number of major and minor equipments for the teaching and research purposes and bought some books.

With the financial assistance of UGC the department was equipped with a smart interactive board, LCD Projector and a computer.

- **Orientation programmes and refresher courses attended by the faculties**

1. Ms. Neetu Pradeep, attended UGC sponsored orientation programme from 06.06.2017-05.02.2017 UGC-HRDC, Kariavattom, Thiruvananthapuram.

2. Dr. Gopan Raj attended a Refresher Course in Renewable Energy Studies conducted by UGC HRDC, University of Kerala.

- **Activities organized by the department**

Seminar

The department organized a one day seminar in connection with Prof. Veena Endowment of Sree Narayana College Punalur. First session handled by Dr I G Shibi (TSG member State project directorate, RUSA Govt of Kerala) who delivered the speech on “Introduction to computer aided drug design”. The second session is handled by Lt. Dr. Arun. V, (HOD, Department of Chemistry, S. N. College, Punalur) who delivered a lecture on the topic “Software in Chemistry”.

Workshop

Dancy Surendran and Dr. Gopan Rajattended a Workshop “Interoduction to GANESS- A practical approach on 21-2-2017 to 23-02-2017 at University College, Thiruvananthapuram.

• **Research Activities**

The department has seven faculty members with four doctorates having very good research credentials.

Lt. Dr. Arun. V is **Research Guide** of the University of Kerala and **three research scholar** working under his guidance.

Research Scholars under Lt. Dr. Arun. V

1. **SHIJU THOMAS**, Part-Time, Assistant Professor, Department of Chemistry, St. Gregorios College, kottarakkara (UO No. AcEVI(2)/116/CHE/13801/2016 dated 24-10-2016) with effective date of registration 17-10-2016
2. **BARAKALA PUSHPA**, Part-Time- Assistant Professor, Department of Chemistry, St. Joseph’s College for Women, Alappuzha (UO No. AcE.VI(2)/717/CHE/16321/2017 dated 03-02-2018) with effective date of registration 09-01-2018)
3. **NEETU PRADEEP**, Part-Time- Assistant Professor, Department of Chemistry, S. N. College, Punalur (UO No. AcE.VI (2)/717/CHE/16115/2017 dated 03-02-2018) with effective date of registration 04-01-2018)

UGC Major Research Project (on going)

UGC awarded a Major Research Project to **Lt. Dr. Arun. V** and sanctioned an amount Rs. 11,24,800/- for the major research project entitled “Synthesis, Spectral Characterisation and Crystal Structure of Novel chiral N₂O₂ Schiff base Complexes” w.e.f. 01/04/2013

Minor Research Projects (on going)

Raji. V

The title of the project was “Utility of some organic compound anchored tetravalent metal acid salts in nano form as heterogeneous solid acid catalysts” and the total project fund sanctioned by UGC was 1,25,000/-.

Dr. Gopan Raj

The title of the project was “Studies on chemical variability in the essential oils of selected Eugenia species of Western Ghats using analytical techniques” and the total project fund sanctioned by UGC was 1,50,000/-.

• **Seminars and paper presentations**

1. **Lt. Dr. Arun. V;** Participated & presented a paper in the International Conference in Environment, Society, Economy on 19-12-2017 at St. Josephs College for Women, Alappuzha.
2. **Lt. Dr. Arun. V;** Participated in the national conference held at Department of Chemistry, University of Kerala, Karuavattom, on 00.00.2017
3. **Dr. Divya. V;** Participated and presented a paper in the International Conference in Environment, Society, Economy held on 18-12-2017 & 19-12-2017 at St. Josephs College for Women, Alappuzha.
4. **Dr. Deepa. JP;** Participated and presented a paper in the International Conference in Environment, Society, Economy held on 18-12-2017 & 19-12-2017 at St. Josephs College for Women, Alappuzha.

DEPARTMENT OF COMMERCE

Department of Commerce S N College Punalur has been working as a center for imparting quality education and value educations to children of eastern rural areas of Kollam District. The Department is offering UG course in Commerce. The Department has been involved in the process of enlightenment of hundreds of students by providing proper guidelines and motivation to build up a successful professional and personal life. Some of the valuable achievements of the Department during the year are:

- The Department was able to organize a talent hunt manager competition at college level in association with GIIMS, Kochi, for final year students and Muhammed Rafi Rawther III B Com. Student was selected as the winner.

- In Association with Entrepreneurship club a state seminar on “Budding young Entrepreneurs” was organized for the students of the Department in March 2018. Dean of Kerala University Commerce Department Dr Raju G inaugurated the function and made a talk on the subject and Dr BaiuRamachandran C S led the session of “GST” for entrepreneurs.
- An Awareness class was given to final year students on the topic “Future Prospects of Commerce Education “.The class was conducted by Binu raj of SCMS management institute Cochin
- “Building Successful careers in Future”, a symposium was organized by the Department in collaboration with LAKSHYA,Thiruvalla and provide instructions to the children regarding the selection of their ambitious career
- Added some more books to the Departmental library using the funds from P D Account
- Conducted the Class PTA meetings of all Degree classes for maintaining good academic environment and tracing out the problems of children
- A study tour and industrial visit was conducted to Final B Com students to Mysore and Ooty during February , 2018
- A field visit was conducted to first year students to Thenmala eco -tourism.
- Remedial classes and proper attention were given to weaker students for their improvement

Achievement of faculty

Kavitha K S

1. Attended a workshop on the topic “Skill Building in Business Research” held at S N College, Kollam.
2. Presented a paper in National Conference on the topic” Impact of Demonetization” organized by Department of Commerce, Govt College, Attingal
3. In national Conference on “Revamping Indian financial system“ , Organised by S N College Kollam, Presented a paper on “A study on the impact of Crypto currencies in Financial system” “

4. Convenor Library Advisory Committee, and member of Planning Committee, Admission Committee and Health Club. Assistant Returning officer college union elections

SilpaSasankan

1. Presented paper in national seminar on the topic “Banking Sector Reforms and Financial Inclusion in Inclusive Growth” at Govt Arts College, Thycaud
2. Presented a paper in national seminar at Govt College Attingal on the topic “The Prospects and challenges of turning India a cashless economy”
3. Convenor: Entrepreneurship Club and Debate club
4. Organised seminar on the topic “Budding young Entrepreneurs ” in association with ED club

RinkuBabu

1. Presented a paper in a National Conference
2. Co-ordinator: Walk with Scholar programme
3. Member Human rights Forum

Gang M R

1. Convenor of Tutorial system and member of women’s club

Academic achievements

In our Final year B Com examination 65% of our students got eligibility for higher studies. Four students got Full ‘A’ with more than 80% marks. The students of first year and second year acquired more than 88% and 89% results in their first and fourth semester exams respectively. Among our students, 6 won C MAT exam and 5 won K MAT entrance exams.

DEPARTMENT OF ECONOMICS

The department has an objective of providing better education to the students. Along with developing academic proficiency department also aims at all round development of students. Department of Economics was started in the year 2014 with 41 students. In the year 2016 our total strength of students increased to 141 (41 students in III DC, 50 students in II DC, 50 students in IDC). The department offers BA Economics as core course, political science and

Indian History are Complementary Courses. Department is working with one Assistant Professor and two Guest lecturers.

Periodical meetings were conducted in the department for planning and achieving the departmental activities. Special classes were taken on holidays and also from 3.30 to 4.30 on working days for the students who need special attention/improvement. Remedial classes are conducted for students who failed in university semester exams. Regular assignments, test papers Seminars are conducted for students. Teacher in the department was also conducted in the Kerala University centralised valuation camp.

Achievements-2017-18

Soumya Viswambharan, Assistant Professor, Department of Economics has attended a 3 days International Seminar organised by the Department of Economics, Kariavattom Campus in relation to the topic “Changing Patterns of Fiscal and Monetary Policies in India Boon or Bane to Development” under the sponsorship of RUSA.

Our department conducted a two hours seminar ON the topic ‘**Demonitisation of Indian currency**’ on 26/10/2016. 79 students were the beneficiaries of this programme. On 28/03/2017 our department conducted a **Quiz competition** on the subject ‘Current economic Scenario’. 95 students participated in this programme.

DEPARTMENT OF ENGLISH

The department of English had a number of glorious achievements in the academic and non-academic sphere during the year 2017-18.

Achievements of Students

Results

- Out of the 28 students who have appeared for the final year examination 14 students qualified the examination and out of it, 13 students passed with First class. The total pass percentage is 50%

- The I semester B.A. Communicative English result of 2016 admission students was published. The total pass percentage is 61%.
- The III semester B.A. Communicative English result of 2015 admission students was published. The total pass percentage is 60%.

- 8 students of I B.A. Communicative English have been selected for ASAP and are undergoing training sessions.
- 4 students from I B.A. Communicative English have been selected for the Walk With a Scholar Programme and are trained under mentors.

Extracurricular Activities

- The students represented the department in the Keraleeyam-2017, a programme organised by the NSS unit of the college on behalf of keralapiravi celebrations. The department secured III place in the display of antics and traditional artefacts.
- The students of the department actively participated in the athapookalam and onappattu competition in connection with the onam celebration-2017 and secured I prize for onappattu.
- The department bagged the overall champions' trophy in the college arts festival.
- Ayana Soory of I B.A. Communicative English was awarded for participating in the maximum number of competitive items
- Students of the department represented the college in the various competitions like Thiruvathira, recitation in English, Malayalam, Tamil, Classical music, group song, poetry writing in English, elocution in English, debate etc. at the Kerala University Youth festival held at Kollam
- Ayana Soory of I B.A. Communicative English secured III prize in Tamil recitation in the Kerala University Youth festival held at Kollam.
- Students of the department are active participants of the college radio 'Cappuccino' coordinated by Ms. Resmi Raveendran

Seminars

- The department of English in association with ASAP jointly organised a Personality Development Skill programme on 11.01.2017 at the college auditorium. The spokesperson of the occasion was Dr. Premlet B, Retired Associate Professor, T.K.M. College of Engineering, Karicode. The afternoon session of the programme included a series of documentary shows and the programme was coordinated by Mrs. Resmi Ravindran, Department of English. Final year students of all the departments attended the programme

Faculty Achievements

There are 6 permanent faculty members and 2 guest faculties in the department.

1. Reshma R

Assistant Professor

Head in Charge of the Department of English and Group Tutor of I DC English.

Convenor of Performing Arts Club

Convenor of Calendar Revision Committee

Member of the Career Guidance Cell

Seminars Attended:

- Attended a seminar on “Resurrection of Female's Psyche with Reference to Selected Malayalam Movies” in the National Seminar on Contemporary Visual Culture and Politics of Images at University College, Thiruvananthapuram

Published Papers

- Published a paper entitled Discourse of the Oppressed: An Ecofeministic Reading of Arundhati Roy's The God of Small Things, Sarah Joseph's Gift in Green and Manjula Padmanabhan's Escape in The Criterion, An International Journal in English, Vol 8 Issue VIII, July 2017
- Published a paper entitled Unheard Voices of the Voiceless: A Study on Urmila Pawar's Autobiography “The Weave of My Life: A Dalit Women's Memoirs” in International Journal of English Language, Literature in Humanities Vol.6 Issue 1 January 2018.

Orientation Programme

- Attended RUSA sponsored Orientation Course from 22nd November 2017 to 19th December 2017 at UGC- HRDC, Kariavattom, Trhiruvanthapuram

2. Deepthi P.S.

Assistant Professor

Group tutor of II DC English

Convenor of Theatre Club

Convenor of Anti Ragging Cell

Member of Calendar Revision Committee

Member of Media Club

Seminar Attended:

- Attended UGC sponsored National seminar at NSS College, Pandalam on Sustaining Indian Knowledge Systems: Academic Representations through English Studies.

Orientation Programme

- Attended Orientation Course at UGC- HRDC, Kariavattom, Trhiruvanthapuram

3. Resmi Ravindran

Assistant Professor

Group tutor of III DC English

Convener of ASAP

Mentor of WWS

Member of Theatre Club

Member of Publication Committee

Co-ordinator of College Radio

Paper Presentation:

- Presented a paper titled “Resurrection of Female's Psyche with Reference to Selected Malayalam Movies” in the National Seminar on Contemporary Visual Culture and Politics of Images at University College, Thiruvananthapuram
- Presented a paper titled Colour Imagery Redefining the contemporary Social milieu on National seminar on Colours conducted at Little Flower College, Guruvayoor.
- Presented a paper titled “A Symbolic Reading of Nathaniel Hawthorne’s The Scarlet Letter with Patriarchal notion on Adultery” in the National Seminar on Multidimensions & Novelties of English Language and Literature conducted at Vivekananda College, Salem.

Publication:

- Published a paper entitled The Politics of Advertisement: A Feminist Perspection. in BODHI : An Online Peer Reviewed-Refereed Journal, Vol 2, SPL ISS 10, E-ISSN 2456-5571
- Published a paper entitled The Electra Complex in the movie Electra in ROOTS : A Peer Reviewed Refereed Journal, ISSN 2349-8684
- Published a paper entitled A Female Consciousness in Kamala Markandeya's Nectar in a Sieve and Other Novels in Bodhi: An Online Peer Reviewed-Refereed Journal, Vol 2, SPL ISS 3, E-ISSN 2456-5571
- Published a paper entitled Representation of Transgender Community in Smiling Vidya’s Self writing. in ROOTS : A Peer Reviewed Refereed Journal, ISSN 2349-8684
- Published a paper entitled Expression of the Community in A. Revathi’s The Truth About Me : A Hijra Life Story in BODHI : An Online Peer Reviewed-Refereed Journal, Vol 2, SPL ISS 18, E-ISSN 2456-5571

Seminars:

- Attended UGC sponsored National seminar at NSS College, Pandalam on Sustaining Indian Knowledge Systems: Academic Representations through English Studies.

Orientation Programme

- **Attended Orientation Course at UGC- HRDC, Kariavattom, Thiruvananthapuram**

- Attended short term induction course at UGC- HRDC, Kariavattom, Thiruvananthapuram

4. Aswathy S.M.(was on Maternity Leave)

Assistant Professor

Convenor of Nature Club

Member of Website Committee

5. Gayathri Salim

Assistant Professor

Convenor of Media Club

Member of Calendar Revision Committee

DLMC Member

Member of Counselling Cell

Seminars Attended and Paper Presentations

- Presented a paper titled “Subaltern Resistance in Omprakash Valmiki’s Joothan” in the International Conference on Images of Self and the Other: Exploring Identity and Alterity at St. Aloysius College, Elthuruth , Thrissur from 12-13 January 2018.
- Presented a paper titled “Widening Gyres of Dalit Literature” in the International Conference on Indian Literature as World Literature: Past, Present, Future at The English and Foreign Languages University, Hyderabad from 18-20 January 2018.
- Presented a paper titled “Gender a New “Take Off” in Mollywood” in the International Seminar on Words, Visuals and Beyond: Mediatization of Narrative Spaces at Bharata Mata College, Thrikkakara from 22-23 February 2018.

6. Nayana Joylal

Assistant Professor

Convenor of Human Rights Forum

Convenor of Gandhian Study Centre

Member of Website Committee

Workshop Attended: Attended National workshop - Alchemy of Writing: Innovative Techniques and Practices - Nov 6-8 2017

Paper Publication: Published a paper entitled Propagation of Caste Prejudices Through Languages in Quest Journals with ISSN No: 2321-9467 on Dec 30, 2017

Guest Faculties

1. Ms. Ashadevi R.V

2. Mr. Shoukathali M.

DEPARTMENT OF HISTORY

Department of History was started in the year 1965 with an objective of all-round development and exposure of students. The Department is working in the ground floor of the main building with three lecture halls, a staff room and a store house. The Department offers B.A. History (Core Course and Complementary Course), Political Science (Complementary Course) and Open Course in Archaeology. Besides regular teaching, the Department is offering all assistance for creating a better future for the students.

Major Projects: Nil

Minor Projects: Nil

No. of papers published in Peer Reviewed Journals – Nil

No. of students who cleared NET/SET/UGC-CSIR - Nil

No. of Patent filed/granted - Nil

Faculty Details

Name	:	Sri.Shibu.T
Designation	:	Asst.Professor in charge of H.O.D
Basic Degree	:	M.A History
Additional Degree	:	M. Phil. History

Any other degree	:	B.Ed.
Degree acquired during this academic year	:	Nil
Orientation or refresher course	:	Nil
Workshop	:	
Whether a member of academic bodies	:	No
Extension activities	:	Convener of BhoomitraSena Club

Administrative Responsibilities

1. College PTA Secretary
2. Member, College Council
3. Tutor to III B.A. and I B.A. batch of B.A History Course
4. Faculty Advisor
5. Member of College Discipline Committee

Achievements

Akhil. A of Final Year class ranked First in Shot-Put in the All Kerala Senior Athletics Championship held in Thiruvananthapuram and in the College Games conducted by Kerala State Sports Council At Calicut. Sarath Krishnan of Third Year B A class scored third point in Decathlon in the Kerala University Sports Meet. Keerthi. T. S. of Third Year Class had selected for a District level debate competition conducted by Mathrubhumi foundations.

Result Analysis

Total of 41 students appeared for the Final Year B. A. Examinations. Out of them 9 students successfully passed the course with First Classes. Pass Percentage was 22 while the University Pass Percentage was 19.56.

Functioning of Alumni and its contribution

An alumnus meeting of 1998-2001 batches was held during this academic year. Former students of this Department are active members of the Alumni. They have made contributions as financial support to poor, but academically brilliant students.

DEPARTMENT OF MATHEMATICS

In the reporting year, the department has shown tremendous achievements under the coordination of Dr.S.Baiju, Head of the Department. Dr. Bijo S Anand, Assistant Professor, one of our faculty members has been approved as Ph.D guide under the University of Kerala. The UG and PG valuation camp duties were promptly attended by all the permanent teachers of the department. There are six permanent faculty members and two guest faculty in the department which includes two Associate Professors (Male-1, Female-1) and four Assistant professors. Out of these six permanent faculty members three having Ph.D. Degree. Dr. S.Baiju is the Head of the department and the other faculty members are Prof. Mariyamma Varghese, Dr. Divya Sadasivan, Smt. Jasmin Rose, Dr. Bijo S Anand and Sri. Sreemurukan A, Ms Renjitha M and Ms. Ashitha M S served as guest lecturer in Mathematics.

Our faculty members are actively involved in various academic and co-curricular activities. Dr.Baiju S is selected as the Chief Superintendent of examinations of the College from November 2017. Dr. Bijo S Anand is in charge of NSS programme officer. Prof. Mariyamma Varghese continues as the Chief Superintendent of examinations of the College till November 2017.

Dr. DivyaSadasivan continues as resource person of Scholar Support Programme and mentor of “walk with a scholar” programme for second year students. Smt. Jasmin Rose took charge of the coordinator of Science Club. This year also our students had made commendable achievements in the University examinations. The pass percentage of final year BSc Mathematics students in the academic year is 85. **Ms. Jasmine Rose attended UGC sponsored special summer school (Multi-disciplinary Refresher course) conducted by UGC HRDC University of Kerala. Dr. Bijo S Anand attended an Orientation course for NSS Programme Officers organized by Empanelled training institutions for NSS and Rajagiri College of Social Sciences.**

Achievements of the Department

Research Paper publications/Presentations of the teachers

Dr. S. Baiju

1. Dr S Baiju: Cover-Incomparability Graphs and Delta-Preserving 3- colored diagrams of Posets; 2018 IJCRT | Volume 6, Issue 1 January 2018 | ISSN: 2320-2882, 1383-1386
2. 2-colored and 3-colored diagrams of Posets in cover- incomparability graphs; International Journal of Mathematics Trends and Technology (IJMTT) – Volume 53 Number 4 January 2018; ISSN: 2231, 267-269.
3. Forbidden 2-colored and 3-colored Posets of cover-incomparable Line graphs; February 2018, Volume 5, Issue 2 JETIR (ISSN-2349-5162), 273-276.
4. Forbidden 3-colored Posets of cover-incomparable Line graphs; International Journal for Research in Applied Science & Engineering Technology (IJRASET)ISSN: 2321 9653; IC Value: 45.98; SJ Impact Factor :6.887Volume 6 Issue I, January 2018-3397-3402.

Dr. Bijo S Anand

1. Edge Geodetic Number of Product Graphs; CALDAM 2018:143-154

Seminars and Conferences attended by the teachers.

Dr. S .Baiju	National workshop on Sage Maths at St Johns College Anchal. (Feb 21-23/2018
Dr. Bijo S Anand	February 12 to 17(2018) 4 th Annual International Conference on Algorith and Discrete Applied Mathematics (CALDAM 2018)
Jasmin Rose J	Attended the Refresher Course from 11/07/2017 to 31/07/2017 at Human Resourse Development Centre at Kariyavattom TVM
SREEMURUKAN A	Attended a workshop on Anti-Drugs/Anti-Narcotics conducted by Excise Department Excise office Kollam

Minor Research Projects

Name of the Faculty	Title of the project	Remark
Dr. DivyaSadasivan	A study of Numerical Method- Finite Difference and Spline for solving Transport Equations.	On Going

4. Co-Curricular Activities

Name of the teacher	Activities
Dr. S. BAIJU	<ul style="list-style-type: none"> • Examination Chief Superintendent from December 2017.
MARIYAMMA VARGHESE	<ul style="list-style-type: none"> • Examination Chief Superintendent. • Member of Library Advisory Committee • Member of the Women's study unit. • Convenor of CLMC
Dr.DIVYA SADASIVAN	<ul style="list-style-type: none"> • Faculty advisor of 5rd and 6th semester B Sc Mathematics CBCSS Program • Convenor of Research Promotion Cell • Executive member of the College journal " The Researcher" • Member of Theatre Club • Resource person of Scholar Support Programme. • Mentor of WWS.
JASMIN ROSE J	<ul style="list-style-type: none"> • Additional Chief Superintendent of Examinations. • Coordinator of Career Guidance and Placement Cell • Convenor of the tutorial system. • Mentor of "walk with a scholar" programme for second year students. • Faculty advisor of 3rd and 4th semester B.Sc. Mathematics. • In charge of Department Library
Dr. BIJO S ANAND	<ul style="list-style-type: none"> • Reviewer of AMS (American Mathematical Society) • N.S.S. Programme Officer • Member of Counselling Cell. • Member of Admission Committee. • Member of IQAC. • Website Committee member
SREEMURUKAN A	<ul style="list-style-type: none"> • Faculty Advisor of 1st and 2nd semester B.Sc. Mathematics CBCSS. • Resource person of Scholar Support Programme. • Website Committee member • In charge of College IT Lab

DEPARTMENT OF ORIENTAL LANGUAGES

- **Faculties**

1. Dr. Shiny Mathews, Associate Professor
2. BijiM.S, Assistant Professor
3. Lilin VBhaskaran, Assistant Professor

- **Extension activities by faculties**

- Dr. Shiny Mathews: Convener of Health Education, Convener of Library Advisory Committee, member of Research Promotion Cell.
- Biji M.S: Programme Officer (N.S.S.), Convener of Human Rights forum , member of Library Advisory Committee, mentor of WWS.
- Lilin V. Bhaskaran: Convener of Literary Club, member of Library Advisory Committee.

Seminars/ conferences/orientation/refresher courses attended:

Biji M S

a. Attended UGC sponsored Orientation Programme(Multi disciplinary) conducted by the UGC HRDC University of Kerala

Lilin V. Bhaskaran:

- Presented a paper on “Malayalathilenishedhakriya” in a National Seminar.
- Presented a paper on “Naattuvaidyathileviswasavumaacharangalum” in a National Seminar.
- Presented a paper on T D Ramakrishnan Sugandienna Aandal Devanayakiennanovel line aaspadamakiorupadanam” in a National Seminar.

DEPARTMENT OF PHYSICS

Department of Physics started functioning as a junior department in 1965. BSc Physics, Programme was commenced on 1984 and over the years the department has upgraded the stature of Post Graduate Department by the implementation of MSc Physics Programme in 2013. The department is currently supported by DST-FIST Programme.

1. Academic Programmes

- MSc Physics (2 years)
- BSc Physics (3 years)

2. Report on research activities

- Student Project*

Fungi – Mediated Synthesis of Silver Nanoparticles (Sanctioned by 59th student project committee of KSCSTE, Amount Rs. 10,000/-)

3. Achievements of students in curricular and co- curricular activities

Result

BSc: S3 Pass percentage: **61.1 %**

BSc: S1 Pass percentage: **63.4 %**

MSc: Pass percentage: S3: **62.5%**

4. Papers published in journals

1. Synthesis and Characterization of Silver Nanoparticles using Bread Mold Extract
Anandhu S. Sathees^{h1}, Akhila Prabhakaraⁿ², Deepak^{T3}, Praveen K.^{H4}, Arun S. Prasa^{d5*}

International Journal of Advance Research in Science and Engineering Vol. 06
Special issue No 03,AFM 2017

2. Biogenic Synthesis of Iron Oxide Nanoparticles using leaf Extract of
Clitoria Ternatea Cibin Baby¹, Athira Prasad², Kanchana A.³, Rajeswary M.⁴, Sajitha M.⁵, Praveen K.H.⁶, Arun S. Prasad⁷

International Journal of Advance Research in Science and Engineering Vol. 06
Special issue No 03,AFM 2017

5. Seminars, Conference, Refresher courses attended by Teachers

1. **Praveen K.H.** attended Science academies Lecture Workshop on “Advances in High Energy Physics” hosted by Bishop Moore College Mavelikkara (12-07-2017 to 14-07-2017)
2. **Praveen K.H.** attended Refresher course (21days, from 09-01-2018 to 29-01-2018) conducted by UGC-HRDC at University of Kerala, Kariavattom Campus, Thiruvananthapuram (2018)
3. **Lekshmi RS.** attended Orientation course (28 days, from 03-07-2017 to 30-08-2017) conducted by UGC-HRDC at University of Calicut Campus, (2017)

6. College level responsibilities & General activities of staff**(a) Praveen K.H.**

- a. *Head in charge*, Post Graduate Department of Physics, July 2017 to present
- b. Tutor, II MSc Physics & I MSc Physics
- c. *Member & External Examiner*, Board of theory and practical examinations, MSc Physics (All Semesters), University of Kerala, Thiruvananthapuram
- d. *Member & External Examiner*, Board of theory and practical examinations, CBCSS FDP in Physics (All Semesters), University of Kerala
- e. Convenor, Scholarships
- f. Member, Discipline Committee
- g. PTA Executive committee Member
- h. PTA Secretary from 20-12 -2017 to 27-03-2018

(b) Krishnasree R.S.

- a. Tutor, II BSc Physics & I BSc Physics
- b. Attended as additional examiner for S2, S4 & S5 BSc Physics paper valuation Camp and for practical examinations as external examiner, 2017.
- c. Convenor, Women Study Club & Academic program committeeorganiser

(c) Lekshmi R.S.

- a. Tutor, III BSc Physics
- b. Member DLMC.
- b. Convenor, Bhoomithrasena
- c. *Skilled Examiner*, Board of practical examinations, BSc Physics (All Semesters), University of Kerala, Thiruvananthapuram

Lab Assistants: D. Suprian & N. Prakasan
Mechanic: Nil

7. Development activities in the department

Infrastructure: Well-equipped BSc Physics Lab, Small Computer Lab, MSc Electronics Lab, MSc General Experiment Lab. During last year the following development activities were carried out. In last year the Department could carry out the following MSc project works using the limited facilities available under the leadership, endorsement and supervision of Dr. Arun S. Prasad. and Praveen K.H. The following M.Sc. project works were successfully submitted to university.

The department lack sufficient computers with internet facility. Only four regular teaching faculties are there and need 6 guest faculties are required each year for the conduct of remaining hours of teaching activities. The department need more care in setting laboratory facilities for the conduct of M Sc project works and research activities to build its stature upgrade from the current position to a research department in the near future.

DEPARTMENT OF PHYSICAL EDUCATION

The department of Physical Education, Sree Narayana College, Punalur is promoting physical education and sports on par with regular academics. The college has well recognized the value of sports and physical activities as a means of developing personality, promoting social harmony and discipline. The department provides ample opportunity to the students to utilize their leisure time with physical activities to reduce their stress in day to day education system. With an unconditional support from the college, the department of physical education went on to bring glory to the college in several disciplines of sports. The department has evolved into a team, which is committed to produce sports persons of very high standards.

Sports and games activities of the college were very much active and alive during the year 2017-18. One of the main objectives of the department was the preparation and participation of our college team in various sports disciplines. During this year the department concentrated on Athletics, Cricket, Badminton, Cross Country, Kabaddi, Wrestling, Teakwondo, Power Lifting, Weight Lifting and Best Physique competitions. The principal, teachers, staff and the students of the college were supportive enough to conduct selection trials and coaching camps of all these events.

DEPARTMENT OF ZOOLOGY

Teaching Staff (a) Permanent Total :3 Assistant Professors:Male :1 Female : 2

STUDENT PROFILE

Total No. of Students :91

Male students: 22

Female students :68

Outside state: Nil

Foreign: Nil

FACULTY MEMBERS:**1. Dr.Jasmine Anand, HOD, Department of Zoology****Details of Paper Presentations in Conferences / Seminars:****➤ PUBLISHED PAPERS (JOURNALS/ PROCEEDINGS)**

1. Dr.Jasmine Anand (2018). Assessment of *WithaniaSomnifera* Supplemented Diet on Various Parameters of *Oreochromis Mossambicus*. International Journal of Creative Research Thoughts (IJCRT Vol.6, Issue 1). UGC Approved, Impact factor 5.97, ISSN 2320 2882.
2. Dr.Jasmine Anand (2018). Effect of *Withaniasomnifera* Roots Extract Enriched Aquafeed on *Oreochromis Mossambicus*. Proceedings on the national seminar emerging challenges in biodiversity conservation with special reference to recent trends in Exotoxicology (ECBCRTET-2018) organized by MSM College Kayamkulam, Alapuzha Dt. Kerala from 26-27 February. ISBN: 978-93-5291-469-2.
3. Dr.Jasmine Anand and Dr. C. Biju (2018). Effect of *Ocimum sanctum* Supplemented Diet on Selected Parameters of Giant Fresh Water Prawn, *Macrobrachiumrosenbergii*. Trends in Biosciences - An International Journal, Vol.11, No. 7, Pp. 1639.ISSN: 0974-8431, Online-ISSN: 0976-2485. www.trendsinbiosciencesjournal.com.
4. Dr.Jasmine Anand and Dr.Akhila Thomas (2017).Evaluation of protein expressions in *Macrobrachumrosenbergiisupplimented* with herbal medicine. Proceedings on the two days National seminar on blue economy: fostering sustainable development and

profitable resources utilization on 22 and 23 August. Fatima national college Kollam (Autonomous). ISBN : 978-93-8575256-8

5. Dr.Jasmine Anand, Dr. S. Radhakrishnan and Dr. Akhila Thomas (2017). Relative gene expression studies on *Macrobrachiumrosenbergii* Supplemented with Immunomodulatory Medicinal Herbs.Proceedings on the International Conference - GAIN T PRAWN-2017 March 20-24, 2017 at Asian Institute of Technology, Thailand.
6. Dr.Jasmine Anand and Dr.Akhila Thomas (2017). Impact of Medicinal Herb -*Ocimum sanctum* Supplementation on Selected Parameters of*Macrobrachiumrosenbergii*".Proceedings on 10th Indian Science Congress, at SreeVenkedeswara University, Thirupathi from 3rd January 2017 to 7th January 2017.
7. Jasmine Anand (2017).Immunomodulatory efficacy of dietary administration of medicinal herb extracts on *Macrobrachiumrosenbergii* based on relative gene expression in gill tissue". Proceedings on International Seminar on Coastal Bio-diversity Assessment (COBIA 2017) at St. Gregorious College Kottarakara. Kollam 5-7 January 2017. ISBN: 978-93-5267-385-8

➤ **INTERNATIONAL CONFERENCE (2017-2018)**

- Participated in - International seminar on “Recent trends in best management practices in aquaculture” organized by KUFOSE held on November 25 2017.
- Dr. Jasmine Anand * and Dr. A. Akhila Thomas (2017). Microbiological Impact of *OcimumScantum*Supplimented Diets on Certain Non-Specific Immune Sites of *Macrobrachiumrosenbergii*. Presented a paper at the 11th Indian Fisheries and Aquaculture Forum (11th IFAF) hosted by the ICAR-Central Institute of Fisheries Technology (ICAR-CIFT), at Cochin, Kerala during 21-24 November.
- Dr.Jasmine Anand, Dr S. Radhakrishnan and Dr. Akhila Thomas (2017). Relative gene expression studies on *macrobrachiumrosenbergii* supplemented with immunomodulatory medicinal herbs, paper presented at Asian Institute of Technology, Bangkok, Thailand from 20 th march 2017 to 24th march 2017.
- Dr.Jasmine Anand (2017).Immunomodulatory efficacy of dietary administration of medicinal herb extracts on *Macrobrachiumrosenbergii* based on relative gene expression in gill tissue". Proceedings on International Seminar on Coastal Bio-diversity Assessment (COBIA 2017) at St.Gregorious College Kottarakara, Kollam 5-7 January 2017.

- Dr.Jasmine Anand and Dr.Akhila Thomas (2017).Evaluation of protein expressions in *Macrobrachumrosenbergii* supplemented with herbal medicine. Proceedings on the two days International Seminar on blue economy: fostering sustainable development and profitable resources utilization on 22 and 23 August. Fatima national college Kollam (Autonomous). ISBN : 978-93-8575256-8
- **NATIONAL SEMINAR (2017-2018)**
 1. **DrJasmine Anand and Dr C. Biju (2018). Effect of *Ocimum sanctum* Supplemented Diet on Selected Parameters of Giant Fresh Water Prawn, *Macrobrachiumrosenbergii*.**presented at National Seminar on Insight Into Interdisciplinary Perspectives of Chemical and Biosciences, on 26th-28th Feb. 2018, At Govt Arts College, Thiuvanathapuram.
 2. **Dr.Jasmine Anand (2018). Effect of *Withaniasomnifera* Roots Extract Enriched Aquafeed on *Oreochromis mossambicus*.** Presented a poster on The National Seminar on “Emerging challenges in biodiversity conservation with special reference to recent trends in exotoxicology” (ECBCRTET-2018) organized by MSM College Kayamkulam, Alapuzha Dt Kerala on 26-27 February.
 3. **Dr.Jasmine Anand, Dr.Aarif KM, Dr.Riyas K.A&Dr.Biju C (2018). Conservation Significance of Kadalundi-Vallikkunnu Community Reserve, A Key Stop-Over & Wintering Station in The South West Coast Of India.** Presented a poster at National Seminar on Conservation of Wetland Ecosystem for Long Term Ecological Security 18TH – 20TH January at S N College for Womens Kollam.
 4. **Dr. Jasmine Anand and Dr. A. Akhila Thomas (2017). Microbiological Impact of *OcimumScantum*Supplimented Diets on Certain Non-Specific Immune Sites of *Macrobrachiumrosenbergii*.** Presented a paper at the 11th Indian Fisheries and Aquaculture Forum (11th IFAF) hosted by the ICAR-Central Institute of Fisheries Technology (ICAR-CIFT), at Cochin, Kerala during 21-24 November.
 5. **Dr.Jasmine Anand and Dr.Akhila Thomas (2017).Evaluation of protein expressions in *Macrobrachumrosenbergiis*upplimented with herbal medicine.** Proceedings on the two days National seminar on blue economy: fostering sustainable development and profitable resources utilization on 22 and 23 August. Fatima national college Kollam (Autonomous). ISBN : 978-93-8575256-8

6. **Dr.Jasmine Anand** and **Dr.Akhila Thomas** (2017). **Impact of Medicinal Herb - *Ocimum sanctum* Supplementation on Selected Parameters of *Macrobrachium rosenbergii*** presented at **104th Indian Science Congress**, at **Sree Venkateswara University, Thirupathi** from **3rd January 2017** to **7th January 2017**.

➤ **WORKSHOPS:**

1. Attended workshop on **Energy Conservation Awareness Campaign** on **24th August, 2017** at **St. Teresa College, Ernakulum** conducted by **Centre for Environment & Development and Energy Management Centre, Kerala**.

➤ **EXTENSION WORKS:**

CO-ORDINATOR- URJA KIRAN-2016-2017 -- Public awareness campaign on Energy Conservation			
2017	EMC/ET&R/RT/16/2 Dated 08-12-16	Energy Conservation Awareness Campaign (04.02.2017) Punalur Assembly Constituency	11000/-
2018	CED/ECAC/2325/2017-18 dated 04.11.2017	Energy Conservation Rally (20.12.2017) Punalur Assembly Constituency	3,000/-
2018	CED/ECAC/2325/2017-18 dated 04.11.2017	Energy Conservation Awareness Campaign (19.03.2018) Punalur Assembly Constituency	16,500/-
2018	CED/ECAC/2325/2017-18 dated 04.11.2017	Energy Conservation Awareness Campaign (ANERT) Punalur Assembly Constituency	6,500/-
2017-2018	KSCSTE-SYPTIS-II Student Minor project -	Microbiological Quality Assessment of Raw Fishes Procured From The Local Markets Of Punalur Town	10,000/-

• **PUBLISHED BOOKS: 1**

Developmental Biology and Experimental Biology. ISBN: 978-93-86218-55-1

➤ **NATURE EDUCATION CAMP:**

Coordinated Three day Nature Education Camp for 2 year students, held at Shenduruney Wildlife Sanctuary, Thenmala on 05.10.2017 to 07.10.2017 in association with Wildlife celebration week, sponsored by Kerala State Forest & Wildlife Department.

Administrator positions held (Convener/Co-Ordinator/Member) :2017-18

- S.N College - Council Member
- S. N College - Women's Hostel Dy.Warden
- S.N College - Union advisor
- S.N College,- Returning officer
- Convener -Health club
- Convener – International Birds Club
- Member, Counseling club

2. Dr.Divya.R - Assistant Professor In Zoology

1. **Co-ordinated** a National seminar in connection with **National Science Day Celebrations- February 28, 2017** organized by Department of Zoology and Botany, S N College, Punalur, Kollam, sponsored by Kerala State Council for Science, Technology and Environment (KSCSTE) and Supported by Department of Science and Technology (DST), Govt. of India.
2. **Attended A National Workshop** on Marine Zooplankton Identification and Analysis Conducted by Department of Zoology Govt. College Kottayam, Supported by Dept of Collegiate Education, M.G. University, on Jan 16 – 18, 2017.
3. **Ms Arya Divakaran - Guest faculty in Zoology**
4. **Dr.Biju.C- - Assistant Professor In Botany**
 1. Co-ordinated National seminar on **Intellectual Property Right on February 22, 2017** by Department of Botany and Zoology, S N College Punalur, Kollam and Kerala State Council for Science, Technology and Environment and Patent Information Center.
 2. Co-ordinated Field oriented activity in connection with **World Wetland Day Celebrations- February 10, 2017** by Department of Botany and Zoology, S N College Punalur, Kollam and Kerala State Council for Science, Technology and Environment.

Resource Person:

1. Dr.Biju.C – Resource person in National Science day celebrations held at Kerala University College of Teacher Education, Kollam on 28.02.2017.
2. Dr.Biju.C – Resource person in Urja Kiran (Energy Conservation Awareness Campaign- Energy Manegement Centre, Govt. of Kerala & CED) held at St.John’s College, Anchal on 20.02.2017.
3. Dr.Biju.C – Resource person in Botany Association celebrations held at St.Gregorious College, Kottarakkara on 28.02.2017.
4. Dr.Biju.C – Resource person in Urja Kiran (Energy Conservation Awareness Campaign- Energy Manegement Centre, Govt. of Kerala, CED & ANERT) held at Sree Narayana College for Women, Kollam on 20.02.2017.

Workshops:

1. Attended two day residential workshops on Energy Conservation Awareness Campaign on 29th December, 2016 at Centre for Environment & Development and Energy Management Centre, Kerala
2. Attended two day residential workshops in WWS held at Loyola College, Sreekaryam, Thiruvananthapuram.
3. Attended three day workshop on Research held at Govt. College of Teacher Education, Thiruvananthapuram.

DETAILS OF DEPARTMENTAL ACTIVITY

1. DEPARTMENTAL MEETINGS:

The Departmental meetings were held in every month to discuss the various departmental matters like curriculum, conducting test papers, exams, conducting PTA meeting, discipline, conducting study tour, conducting Alumni, Students feedback, effective tutorial system, need of books, chemicals and equipment etc. (Details in the department minutes book 2017-2018). Functioning of the Department in the beginning of the academic year was started with 2 permanent teachers in Zoology, 1 for Botany complementary and 1 Guest Faculties for Zoology

2. PTA MEETING:

PTA meeting for all the three classes (Ist SEM, IVth and VIth SEM) were conducted. PTA meeting for the VIth was conducted on 6/2/2018 at 11.00 AM. 25 student's parents were present for the meeting. Attendances, Assignment, Test papers, Result of test papers, Practical, study tour etc were the agenda discussed on that occasion. PTA meeting for the Fourth semester was held in the department lab on 19/3/2018 at 11.00 AM. 27 parents were present on that occasion. Attendance, internal mark division, discipline, test papers were the major items discussed.

3. INTERNAL ASSESMENT AND TEST PAPERS.

Regular assessments of the students are done by conducting test papers and internal assessments and seminars. Weak students are given separate remedial classes in the department.

4. CAREER GUIDANCE CLASSES.

Career guidance classes for the students were conducted by the departmental faculty members to guide them about the job opportunities of zoology. Dr. Jean Jose Assistant Professor in zoology, St Gregoreous College Kottarakkara had delivered a class on creating an attitude towards zoology.

5. SUMMER INTERNSHIPS

Gayathri M of 4 semester B Sc Zoology had been selected for 2 Months summer internship program at The Institute for Stem Cell Biology and Regenerative Medicine (inStem), Bangalore.

6. COMPETITIONS

Gayathri M of 4 semester Bsc Zoology had bagged 1st prize in the painting competition conducted in association with World Wet Land Day Celebrations.

Sreekar Parsad of 4 semester B Sc Zoology had bagged 2nd prize in the quiz competition conducted in association with World Wet Land Day Celebrations.

7. NATURE EDUCATION CAMP :

Three day **Nature Education Camp** held at Shenduruney Wildlife Sanctuary, Thenmala on **05.10.2017** to **07.10.2017** in association with Wildlife celebration week, sponsored by Kerala State Forest & Wildlife Department were organized by the department for the 2 year zoology students. Dr Jasmine Anand and Dr Biju C, coordinated the program.

8. ONE DAY TRIP.

Students of the 1stSem (32 numbers) had visited the Mangrove Forest Eco system, Asramom, on **17.03.2018**. The teachers of the department accompanied them.

9. STEM CELL DONATION CAMP

In association with the College Union, the Department of Zoology has conducted a stem cell donation awareness campaign on 5-2-2018. Dr. Jasmine Anand, Head of the Department Zoology along with 40 students of the Zoology Department had become proud donors of embryonic stem cell organization.

10. INTERNATIONAL CONFERENCE

Dr. Jasmine Anand (Head of the Department Zoology) has **Presented a thesis on GAINT PRAWN 2017 at Asian Institute of Technology, Bangkok, Thailand from 20 th march 2017 to 24th march 2017.**

11. MINOR PROJECTS

Two Minor Student Projects- **SPYTIS 11-2018**, has been sanctioned by Kerala State Council for Science, Technology and Environment to Dr Jasmine Anand and Dr Divya R of the department.

STUDY TOUR

As a part of the syllabus the VIth SEM students are supposed to prepare a field work and study tour record after conducting the study tour to any two research laboratories, zoo, wild life sanctuaries etc. The department arranged 5 day study tour programme. The tour was coordinated by Dr. Jasmine Anand (Head of the Department Zoology), and Dr. Biju C Assistant Professors (Head of the Department of Botany) and the departmental staff SriSupriyanaccompanied the study tour. 28 students of the final year participated in the tour. The study tour was conducted

from 16/02/2018 to 22/02/2018. The team visited so many ecologically and zoologically important places such as Ooty botanical garden, Zoological Garden, Mysore, Ranganathittu Bird sanctuary, Muthanga, Brammagiri wild life sanctuaries, Wayanadu, Iruppuwaterfalls and Coorge (Separate photo album presented for tour 2017-18).

ENERGY CONSERVATION AWARENESS CAMPAIGN

The extension activity of our department includes - Energy Conservation Rally which was conducted on 20.12.2017 at Punalur Assembly Constituency and Energy Conservation Awareness Campaign on 19.03.2018 Punalur Assembly Constituency in association with CED and ANERT. The program was coordinated by Dr. Jasmine Anand.

INAUGURATION OF INTERNATIONAL BIRD CLUB

An international bird club has been introduced in the college in association with Jayaraj foundation Kottayam.

16. LIST OF NATIONAL SEMINARS AND WORKSHOPS CONDUCTED BY THE DEPARTMENT DURING 2017 - 2018.

1. National seminar in connection with National Science Day Celebrations - February 28, 2017 by Department of Zoology and Botany, S N College Punalur, Kollam and Kerala State Council for Science, Technology and Environment.
2. National seminar in connection with National Science Day Celebrations – march 19, 2018 by Department of Zoology and Botany, S N College Punalur, Kollam and Kerala State Council for Science, Technology and Environment.
3. National seminar in connection with World Wetland Day Celebrations- February 10, 2017 by Department of Botany and Zoology, S N College Punalur, Kollam and Kerala State Council for Science, Technology and Environment.
4. National seminar in connection with World Wetland Day Celebrations- march 10, 2018 by Department of Botany and Zoology, S N College Punalur, Kollam and Kerala State Council for Science, Technology and Environment.
5. National seminar on Intellectual Property Rights February 22, 2017 by Department of Botany and Zoology, S N College Punalur, Kollam and Kerala State Council for Science, Technology and Environment and Patent information center.

6. Co-ordinated one day Energy Conservation Awareness Rally on 20th December, 2017 at Punalur Consistency in association with Centre for Environment & Development and Energy Management Centre, Kerala.
7. Co-ordinated one day Energy Conservation Awareness Campaign on 4th February, 2017 at Punalur Consistency in association with Centre for Environment & Development and Energy Management Centre, Kerala.
8. Co-ordinated one day Energy Conservation Awareness Campaign on 19th March, 2018 at Punalur Consistency in association with Centre for Environment & Development and Energy Management Centre, Kerala.
9. Attended workshop on Energy Conservation Awareness Campaign on 29th December, 2017 at Centre for Environment & Development and Energy Management Centre, Kerala.
10. National seminar in connection with International Ozone Day Celebrations- 2017 on 28th September 2017 by Department of Botany and Zoology, S N College Punalur, Kollam and Kerala State Council for Science, Technology and Environment.
11. National seminar in connection with World Environment Day Celebrations - 2017 on 17th June 2017 by Department of Botany and Zoology, S N College Punalur, Kollam and Kerala State Council for Science, Technology and Environment.
12. Dr. Jasmine Anand, Attended workshop on Energy Conservation Awareness Campaign on 29th December, 2017 at Centre for Environment & Development and Energy Management Centre, Kerala.
13. Dr. Jasmine Anand, Attended UGC-Sponsored National Workshop on Statistical Application in Biology, at S.N College Varkala. From February 11 and 12, 2017.
14. Dr. Divya R, Attended a National Workshop on Marine Zooplankton Identification and Analysis Conducted By Department of Zoology Govt. College Kottayam, supported By Dept of Collegiate Education on Jan 16 – 18, 2017.
15. Dr. Biju C, Attended two day residential workshops on Energy Conservation Awareness Campaign on 29th December, 2017 at Centre for Environment & Development and Energy Management Centre, Kerala
16. Dr. Biju C, Attended two day residential workshops in WWS held at Loyola College, Sreekaryam, Thiruvananthapuram.

17. Dr. Biju C, Attended three day workshop on Research held at Govt. College of Teacher Education, Thiruvananthapuram stem cell