

Annual Report, S. N. College, Punalur
2016-2017 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)
Phone: 0475 2222635, 3258895; Fax: 0475-2222635
Email: sncpunalur@gmail.com
Website: www.sncollegepunalur.in

Sl. No.	Description	
1	Courses for which affiliation is sought for, during 2017-18	NIL
2	Course sanctioned for 2016-17	NIL
3	a) Details of Construction & Maintenance carried out during the year 2016-17	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 2016-17 in detail (Attach separate sheet)	Enclosed in Part B
8	Strength of students 31-10-2016 in the Performa "A" attached	Attached
9	Caste-wise statement of strength teaching and Non teaching 31-10-2016 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 2016-17	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. The year 2016-17 was marked with several golden events, achievements and initiatives. All of which served to strengthen our college profile. This can be attributed to the dedication and team spirit of the Management, Staff, PTA and Students. The academic year 2016-17 was commemorated as the Golden Jubilee year amidst much grandeur. The inaugural function of the Golden Jubilee celebrations was held on 20th August, 2016. The Honorable Chief Minister of Kerala, Sri. Pinarayi Vijayan, inaugurated the glorious function by lighting the sacred lamp. Sri. Vellapally Natesan, Manager, S.N. Colleges & Gen. Secretary, S.N.D.P. Yogam presided over the function. Delivering the inaugural address Sri Pinarayi Vijayan talked of the importance of educational institutions such as S.N. Colleges in rural areas with special reference on the great saint Sree Narayana Guru's principle "enlightenment through education". The Minister of Forest and Wild life, Sri. Adv. K. Raju delivered the keynote address. The welcome address was made by Sri. K. Suresh Kumar, RDC Convener. Sri. K. N. Balagopal, Ex. Member of Parliament, Sri. M. A. Rajagopal, Chairman, Punalur Municipality, Sri. K. Padmakumar, S.N. Trust, Executive member, Sri. Pachayil Sandeep, S.N.D.P. Yogam Councilor, Sri. T.K. Sunderasen, President, S.N.D.P. union, Punalur, Sri. Satheesh Sathyapalan, President, S.N.D.P. union, Kottarakkara, and Sri. B. Biju, President, S.N.D.P. union, Pathanapuram, delivered felicitation for the function and activities of the College. Vote of thanks was made by Dr. Jayasenan, Principal S.N. College, Punalur. As part of the Golden Jubilee celebrations, year-long programs including a Multidisciplinary Seminar Series titled Zest-2016 was held.

Zest-2016 focused on the emerging trends in diverse academic disciplines. The Pro-Vice Chancellor Dr. Veeramanikandan, inaugurated the seminar series on 5th December 2016. As part of the series, 10 seminars were conducted. Each seminar had three sessions where the first and second sessions were chaired by eminent scholars from the field and third session titled student session was set aside for paper presentations of students from the college. This highly participatory seminar was jointly organized by the teaching staff, PTA and students. The valedictory function of Zest-2016 along with Merit-day celebrations was held on 20-03-2017.

The inaugural address was given by Dr. Jayaprakash, DCDC and Registrar (in charge), University of Kerala, Thiruvananthapuram.

ACADEMICS:

Faculty Excellence

The most important achievement from the part of teaching faculty is the PhD award to Prof. Sujathakumari, HOD of Mathematics, on “Some Problems on Grammar Systems” in 2017. Mr. Rinku Babu of Department of Commerce submitted his PhD thesis on “Role of Entrepreneurs in the Development of Tourism Industry in Kerala” at University of Kerala, in 2017. Mrs. Linin Bhaskaran of Oriental Language Department, Mr. Praveen K.H of Physics, Dr. Bijo,S.Anand of Mathematics, Mrs. Dancy Surendran of Chemistry, Mrs. Kavitha K.S of Commerce have attended the orientation program conducted by HRDC, Kerala University and Dr. Arun.S.Prasad, HOD of Physics Department has attended refresher course. Lt. Dr. Arun. V, Department of Chemistry and Dr. Arun S Prasad, Department of Physics are Research Guides of the University of Kerala.

TEACHING STAFF 2016-17

Department	Assistant Professors	Associate Professors	Total
Commerce	4	0	4
History	2	0	2
English	6	0	6
Zoology	3	0	3
Oriental languages	2	1	3
Economics	1	0	1
Chemistry	7	0	7
Mathematics	4	3	7
Physics	4	0	4
Physical education	0	1	1
Principal (politics)	0	1	1
Total	34	6	39

Student Enrolment 2016-17

Sl. No.	Subject	Total Number of Students Enrolled		
		I Year	II Year	III Year
1	B.Sc. Mathematics	36	36	29
2	M.Sc. Mathematics	12	12	-
3	B.Sc. Zoology	32	27	29
4	B.Com, Commerce	68	65	62
5	B.Sc. Chemistry	44	48	40
6	M.Sc. Chemistry	13	12	-
7	B.A. History	58	53	45
8	B.Sc. Physics	40	38	30
9	M.Sc. Physics	13	16	-
10	B.A. English	31	40	29
11	B.A. Economics	50	52	38
	Total			1098

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 Achievements

From the part of students, Ms. Aswathy, of MScMathematics (2014-2016) came up with the laurels of 2nd rank and Ms. Priyamvada A.S. of B A History (2013-16 batch) secured 4th rank in Kerala University Degree Examination. Mr. Midhun P.S. of Physics Department has qualified NET with JRF which is a golden achievement to our college. Mr. NIKHIL A and Ms. Aswani of II MSc Physics won 1st prize in Quiz Competition held as part of Science Day Celebration at S.G. College, Kottarakkara. Six students of I B.A History attended a “Survey project” by Punalur Municipal Council and II Year students of the same Department started a program “Today in History” as part of the Golden Jubilee Year Celebrations of the College.

Result Analysis 2016-17

Sl. No.	Subject	Students appeared in the final year	No of students Passed	Pass % age
1	B.Sc. Mathematics	36	13	36.11
2	M.Sc. Mathematics	10	9	90
3	B.Sc. Zoology	26	8	30.77
4	B.Com	61	27	44.26
5	B.Sc. Chemistry	39	15	38.46
6	M.Sc. Chemistry	13	10	76.92
7	B.A. History	50	8	16
8	B.Sc. Physics	25	13	52
9	M.Sc. Physics	15	13	87
10	B.A. English	36	7	19.4

SEMINARS - organized/ presented/participated

The Departments of Zoology and Botany have played a laudatory role in furthering the academic activities of the college. During this academic year these departments have hosted 4 national seminars chiefly sponsored by the Kerala State Council for Science, Technology and Environment (KSCSTE). Three of these national seminars were Co-ordinated by Dr. Biju C, HOD, Department of Botany and one of them was 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.

In 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, and Dr. Jasmine Anand of Department of Zoology have presented papers in various national/international seminars and conferences. Six teachers of Chemistry, Mathematics, Communicative English, Commerce and Physics Departments have published papers in international and national journals. Twelve teachers attended different workshops.

Our college organizes training programs for both teaching and non-teaching staff every year. During the year 2016-17, two sessions were held. A training programme for the non-teaching staff on the topic Administrative File Processing was conducted on 11/07/2016 with Dr. S J Shabu (Asst. Prof. Dept. of Physical Education, Govt. Training College, Tvm) as the resource person. A training program for the teaching staff was organized on

05/07/2016 on the topic University Examination and Internal mark Uploading with Lt. Dr. Arun V as the resource person.

Other initiatives

The Government initiative programs like ASAP, WWS and SSP have nurtured the literacy talents of the students and played 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 years. Second year Chemistry students in WWS started a new program “Walk With my Friend” to gear up the slow learners in their batch. A large number of students got selected for attending the ‘Summer Skill Skool-ASAP’. Almost 100 students registered for this vacation’s vocation. Besides, 43 students from the final year UG & PG programs were selected for the training program of ASAP Communicative English Trainers 2017 through interview. 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 2016-17

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. The most

conspicuous achievement in the academic year from the part of physical education department is that the college cornered the title of overall championship for the first time in the University of Kerala Athletic championship by scoring 81 points. The men's team became the winners and the women's team became the runner up in the University of Kerala Cross Country Championship. We also take credit in winning runner up position in the Kollam district Athletic Championship. Our seven students namely Likhin S., Aksh S., Bibin B., Ansif S., Aparna A., Subi Mathew and Rani M. have participated in the National Championship. The participation of our students in badminton, Kabadi, Cricket, Taekwondo in the University of Kerala Championships was also a remarkable one. In all sense, the Department of Physical education brought immanent glory to the College through the stunning performance of the students.

NSS

The NSS unit of the College functions very effectively in public welfare programs. The unit has taken initiative in conducting Blood donation camps, Traffic Awareness Rally etc. Besides, a training program on the production of value-added product was conducted 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. This unique program aims at setting up a 'swap shop' at 93 places across the state, where reusable products that are no longer used, are collected and given to people who needs them, at free of cost.

NCC

NCC too has a most vital role in the progression of the college. Lt. Dr. Arun. V, Associate NCC Officer, of this college attended the Army Attachment Camp at 4Bihar Regiment, Pangode Military Camp, Thiruvananthapuram from 07 November 2016 to 19 November 2016. NCC Cadets participated in 3 ATC camps during this academic year. MURUKAN. A (SUO) participated in the ALC camp –III 2017, held at Gujarat, Dora Nagar Haveli, Die and daman from 10 January 2017 to 21 January 2017. During this year three cadets participated in PRDC, 3 cadets participated in AAC and eight cadets participated in various NIC camps conducted by the NCC. Sgt. SIMI. G was awarded the BEST CADET AWARD in the year 2016 with a cash prize of Rs. 4500/-. 16 NCC C certificates and 38 NCC B certificates were produced in this academic year. Six NCC cadets of this college got selection in Indian Army.

Counseling and Career Guidance

The Counseling and Career Guidance Cell has a crucial role in the 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 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.

Other achievements

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 in Charge

S.N. College, Punalur

ANNUAL REPORT- PART-B**DEPARTMENT WISE BRIEF WORK REPORT FOR THE ACADEMIC YEAR 2016-17****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 chemical education possible to the UG and PG students. Faculties maintain accessibility to our students and also work to collaborate 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 university of Kerala and UGC. We continue to work towards being the best all-around chemistry department in the State.

The usual department programmes started for the academic year 2015-2016 on June itself. Periodical meetings conducted in the department for planning and achieving departmental activities. Post graduate students were 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 the part of syllabus, B.Sc. students visited Sangrose 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 were actively participated in centralized valuation comps 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

- **Students**

1. B.Sc. First Year:
2. B.Sc. Second Year: **44**
3. B.Sc. Third Year: **48**
4. M.Sc. First Year: **12**
5. M.Sc. Second Year: **13**

- **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.

Final Year B.Sc. students secured 70.01 % results and Sreedevi M S secured the top mark (CGPA 8.9) and received Prof. Veena Endowment fellowship. M.Sc. Students secured 83.3 % results and Afiya A secured the top position with 76%.

- **Coordinator/ Convener**

1. **Lt. Dr. Arun. V:** HOD (Chemistry), Associated NCC Officer, Convener (FIST Programme of DST), Mentor (WWS Program) and Convener (Publication Committee).
2. **Raji. V:** - Convener (Public Relation committee), Member (College hostel.)
3. **Dr. Gopan Raj:** Coordinator (IQAC), Member (FIST Program of DST), Mentor (WWS Programme), Member (Environmental Club) and Convener (Planning Board).

4. **Neetu Pradeep:** Member, IQAC, Convener(Counseling cell)
5. **Dancy Surendran:** Convener, Debate Club.
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.DancySurendran, attended UGC sponsored orientation programme from 01.03.2017-28.03.2017 UGC-HRDC, Kariavattom, Thiruvananthapuram.

2. **Dr.Deepa JP** attended a short term induction programme for university college teachers, conducted by UGC-HRDC from 18.04.2016-23.04.2016.
3. **Dr Divya V** has attended the two-day residential capacity building workshop for the coordinators of Scholar Support Programme on 24/10/2016 and 25/10/2016

- **Activities organized by the department**

Seminar

The department organized a one-day seminar in as the part of multidisciplinary seminar series ZEST-2016 organized by the IQAC and PTA in connection with the golden jubilee

celebrations 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”. On the topic “The standard model and the Recent Rouser Findings” Dr. Vasanthakumar Sambasivan, Former HOD, Department of Chemistry Sree Narayana College, Kollam has given a wonderful lecture.

Workshop

Dr. Divya V, (Department of Chemistry), was the Coordinator Scholar Support Programme, and under her leadership the SSP (a new initiative of higher education department Government of Kerala) of our had an opportunity to organize “A one-day cluster workshop 2017”. Five other colleges and two eminent faculties from various fields actively participated in the programme.

- **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 **one research scholar** working under his guidance.

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 N_2O_2 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/-.

- **Publications (National and international)**

1. **Lt. Dr. Arun. V;** Quinoxaline Schiff base Complexes and their catalytic activity studies, **2016; ISBN Number 978-3-659-79469-8.**
2. **Gopan Raj, N.S. Pradeep, V. George, &M. G. Sethuraman;** Chemical composition and Anti-microbial activity of *Syzygiumcaryophyllatum*(L.) Alston Leaf Oil, *Indian Journal of Chemistry, Section-B;* 2016.

- **Seminars and paper presentations**

1. **Lt. Dr. Arun. V;** Presented a paper entitled “Phenol hydroxylation with hydrogen peroxide catalysed by a binuclear copper(II) Schiff base complex catalyst by **V. Arun,** Nitha Prabha and K.K. M. Yusuffin the two-day National Seminar sponsored by the Kerala State Council for Science Technology and Environment (KSCSTE) at Post Graduate and Research Department of Chemistry, S.N. College, Kollam 691 001, from **29th and 30th June 2016.**
2. **Lt. Dr. Arun. V;** Presented a paper entitled “Oxovanadium(IV) heterocyclic Schiff base complex: Synthesis, spectral investigation and catalytic activity in cyclohexane oxidation” By **V. Arun** and K.K. M. Yusuffin the UGC sponsored national seminar on “Advances in the Frontier Areas of Chemical Sciences (NSAFC-2016) organised by the Department of Chemistry, St. John’s College, Anchal on 09th and 10th November2016.
3. **Lt. Dr. Arun. V;** Participated in the National seminar held on **17th June 2016** in connection with “World Environmental Day Celebrations-2016” organised by the Department of Botany & Zoology, Sree Narayana College, Punalur in association with Kerala state Council for Science, Technology & Environment.
4. **Lt. Dr. Arun. V;** Participated in the National Symposium on “the innovative trends in chemical education and research: Hurdles and Successive Progress (ITCER-2017)” held at Post Graduate and Research Department of Chemistry, Sree Narayana College, Kollam during March **22-24, 2017.**

5. **Dr. Deepa JP** Presented a paper in the national seminar on "*smart materials*" entitled "*wear resistance of NiB-CeO₂ composite coatings on Aluminium Alloys*" organized by department of chemistry, SNC Varkala, Trivandrum on 8-9 march 2016.
6. **Dr. Deepa JP** Presented a paper entitled "*electroless NiB-CeO₂ composite coating on LM13 alloy and its characterization*" on national symposium on the innovative trends in chemical education and research (ITCER-2017), organized by department of chemistry, Sree Narayana College Kollam on March 22-24, 2017.

- **Requirements of the Department**

1. Improvement of facilities in the departmental library.
2. Up gradation of PG classes with e learning system.
3. To accommodate marginal increase in the admitted students, infrastructural facilities in the UG Laboratory needs to be enhanced.
4. Maintenance of electrical and power supply in the PG organic laboratory.

- **Future plans**

During the last five years, the Department has already established national/international reputation in various fields of chemistry and material science. Further, the Department is now active in the field of teaching and research with ongoing one UGC-Major Research Project and two other UGC-Minor Research Projects. It is hoped that the Department will be developing to a research centre.

Future plans: -

1. To start a P.G. programme in analytical/medicinal/pharmaceutical chemistry.
2. To start new UG courses depending on the demand of such specialization in the society.
3. To upgrade our present infrastructural facilities, laboratories and research facilities.
4. To get research centre status for department and to develop the department to a centre of excellence in chemical research.
5. To provide smart classes in the PG class rooms and e-learning facility to all students
6. To take the various projects in Chemistry for the students and teachers.
7. To publish the research papers in national/international journals.

8. To register the other faculties for PhD.
9. To conduct at least one National /International Seminars/workshops.
10. To have more funded research projects.
11. To organize guest lectures and seminars.
12. The department will work on getting patents for its innovations
13. To enhance the overall get up of the spaces of the department to make it more vibrant.

DEPARTMENT OF COMMERCE

Since its establishment, Department of Commerce has been acting as a center for imparting quality education to the eastern hilly region of Kollam District. The Department is offering UG course in Commerce and has been giving more importance in incorporating values in children and their overall personality development. The Department of Commerce has accomplished many valuable achievements during the year.

- In association with the Golden Jubilee seminar series of the college, the Department organized a seminar on the topic “Recent Developments in Company Administration”, presided by Dr Baiju Ramachandran C S (Chairman of Indian Chamber of Commerce Association), and on the topic “Derivatives” by Dr Biju A V, Post Doctoral Fellow, Tata Institute, Mumbai on Dec 7, 2016
- An Awareness class was given to final year students on the topic “Job-Oriented Education” by Beena James of St Thomas Management college, Bangalore
- 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 was conducted to Final B Com students to Mysore during December 2016
- 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

- **Attended UGC Sponsored Orientation programme Conducted by UGC HRDC, University of Kerala**

- Attended a workshop on the topic “statistical Data Analysis and SPSS” held at Government College, Nedumangadu.
- Participated in a one-month orientation course conducted by UGC HRDC.
- Presented a paper on in International Conference on the “Vizhinjam International Sea port- A critical study” organized by Department of Commerce, Kerala University
- In International Conference on “Alternative Finance and Sustainable Socio-Economic Development”, Organised by School of Distance Education, Kerala University on 22 to 24 March 2017 Presented a paper on “Mahila Banks “
- Presented a paper on the topic “Knowledge Management in E Governance” in a UGC sponsored national seminar conducted at S G College Kottarakkara
- **Publications**
- 1. Journal – Commerce & Business Researcher, Published by Department of Commerce and Management, Kerala University - Volume 9 Issue 1 & 2 - January 1 to June 30 2016---ISSN No 0976-4097 on “A Study on the Impact of Globalization on Small Scale Industries”(International)
- 2. Proceedings of UGC Sponsored National Seminar on “Corporate Governance Regulations & practices in India” on Nov 6 & 7, 2014 by P G Department of Commerce, St Michael’s College, Cherthala, ISBN No 978-81-930603-0-8

Sajitha S

- Presented a paper on in International Conference on the “Vizhinjam International Sea port- A critical study” organized by Department of Commerce, Kerala University
- In International Conference on “Alternative Finance and Sustainable Socio-Economic Development”, Organised by School of Distance Education, Kerala University on 22 to 24 March 2017 Presented a paper on “Mahila Banks “

- Presented a paper on the topic “Knowledge Management in E Governance” in a UGC sponsored national seminar conducted at S G College Kottarakkara
- **Publications**
- 1. Journal – Commerce & Business Researcher, Published by Department of Commerce and Management, Kerala University - Volume 9 Issue 1 & 2 January 1 to June 30 2016---ISSN No 0976-4097 on “A Study on the Impact of globalization on Small scale industries”(International)
- 2. Proceedings of UGC Sponsored National Seminar on “Corporate Governance Regulations & practices in India” on Nov 6 & 7, 2014 by P G Department of Commerce, St Michael’s College, Cherthala, ISBN No 978-81-930603-0-8

SilpaSasankan

Presented paper in International seminar on the topic

- Prospects and Challenges of adopting I.F.R.S. by Indian Companies at Central College campus Bangalore
- . Financing for infrastructure development-A case study of India was published in International Conference conducted by Department of Commerce Kerala University.
- Legal issues in digital commerce-An Indian perspective presented in the seminar conducted by Vivekanandha Institute of Information and Management Studies, Thiruchengode, Namakkal
National Seminar presentation
- Paper titled “The challenges and prospects of goods and service tax in India” conducted by CUSAT
- Participated Workshop on Syllabus Modernisation of B.B. A and B.Sc Hotel Management Programmes
- **. Paper Proceedings**
Financing for infrastructure development-A case study of India Feb 2017

Research Publications

- Role of MUDRA Bank in promoting tiny sector business opportunities-in the journal Commerce & Business Researcher(International)

- In Journal Recent trends in Management and Computer Applications on the topic “Legal issues in digital commerce-An Indian perspective” (International)
- In the journal “New Paradigms in Business and Management The challenges and prospects of goods and service tax in India” (National)

RinkuBabu

Submitted PhD thesis on the topic “Role of Entrepreneurs in the Development of Tourism Industry in Kerala”

Presented paper titled “Credit policy shock and Monetary shock are overriding Asset prices” in International conference conducted by Commerce Department, Kerala University

Presented a paper in a National Conference

Academic achievements

In our Final year B Com examination 45% of our students got eligibility for higher studies. Two students got Full ‘A’.

The students of first year and second year acquired more than 75% results in their semester exams.

Achievements in Co- Curricular activities

We had an eminent group of sports men who had brought glorious victory to the college in various athletics meet

Ansif, I Bcom

Represented Kerala University Cross country team in All India Inter University Championship

Prince S, III B Com

Represented Kerala in National Amateur Athletic Championship and acquired first place in All Kerala Amateur Athletic Championship. He also secured prizes in Kerala

University athletic meet, Hammer throw gold medalist and Disc throw silver medalist

Abhaya P III B Com

In Kerala University athletics meet she secured silver medal in Hammer throw and Bronze medal in disc throw

Nandu S II BCom

Won gold medal in 4X400 relay gold in Kerala University athletics meet

AnuBabu I B Com

He is a member of the team which won Kerala University athletics meet. Also won relay gold in 4X 400metre in KU athletic meet

Pranav IIBcom

Bronze medal in Javelin throw in Kerala University meet

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, 50students in IDC). The department offers BA Economics as core course, political science and Indian History are Complementary Courses. Department has 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 or 3.30 to 4.30 on working days for the students who need special attention/improvement. Remedial classes were conducted for students who failed in university semester exams. Regular assignments, test papers Seminars were conducted for students. Teacher in the department was also conducted in the Kerala University Centralised Valuation Camp.

Achievements-2016-17

Soumya Viswambharan, Assistant Professor, Department of Economics has attended 3 days Interanational 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 for 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 were participated in this programme. Dr Anil Kumar S Research Assistan , Planning Board conducted a seminar on 24/03/2017 in relation to the topic '*Pro market and pro state issues*'. In relation to the seminar series ZEST -2017 Dr.kumar S P, Assistant professor, SN College, Kollam & Dr. Shibin Phillip , Assistant Professor conducted a class.

DEPARTMENT OF ENGLISH

The department of English had a number of achievements during the last academic year. The department hosted a seminar on behalf of the multidisciplinary seminar series ZEST-2016 organised by the IQAC and PTA in connection with the golden jubilee celebrations of the college. Ms Aswathy Chandrabhanu of S.N.College for Women, Kollam was the resource person of the occasion who took a class on '*Literary History: From Chaucer to 21st Century*'. Paper presentations by students were also held on the day. 5 Students of I DC Communicative English got selection for ASAP and are undergoing training sessions in various skills. 5 Student from I DC Communicative English and 5 Students from II DC Communicative English got selection for the Walk with a Scholar (WWS) Programme. Many students are given remedial lessons under the Scholar Support Programme (SSP).

Roshan Jose Kurien of I DC Communicative English won the 1st prize for 200 mts race in the Kerala University Athletics Championship. Arshad Ajith of II DC Communicative English attended the National Integration Camp (NIC) at Gujarat. Vignesh and Nandu Vinobhan of II DC Communicative English participated in the National Integration Camp (NIC) at Alappuzha. Mohammed Ashik, Ajas Khan, Kiran Babu, and Mohammed Ramshad of II DC Communicative English were part of the cricket team which entered the III round in the University Cricket meet. Mohammed Ashik competed in the men's Badminton competition.

Our students' team competed in the Thiruvathira competition of the Kerala University Youth festival held at Thiruvananthapuram. Vignesh of II BA Communicative English represented the college for the mimicry competition in the University youth festival. The department organized a three-day tour programme for the final year students.

Result Analysis

The 1st semester and 4th semester results were published. There is a pass percentage of 40% and 48 % in 1st and 4th semester respectively. The final year results are not yet published.

Achievements of Faculties

During the last academic year, the department had 6 permanent faculties and 1 government guest faculty.

1. Reshma R

Assistant Professor

Head of the Department of English and Group Tutor of III DC English.

Convenor of the Media Club

Convenor of Calendar Revision Committee

Member of the Counselling Club

Workshop: Attended a workshop organized by Higher Education Council and Dept. of English, Mar Ivanious College, Tvm, on Environmental Studies on 8th December 2016.

Seminar:

1. Attended a 3-day UGC-SAP National Seminar on Dalit Literature, Art and Aesthetics: The Kerala Experience from 16-18 March 2017 at Institute of English, Thiruvananthapuram

2. Attended a 1 day UGC National seminar on Human Rights at S.N.College, Punalur.

2. Deepthi P.S.

Assistant Professor

Group tutor of I DC English

Convenor of Theatre Club

Member of Calendar Revision Committee

Seminar:

Attended a 1 day UGC National seminar on Human Rights at S.N.College, Punalur

3. Resmi Ravindran

Assistant Professor

Group tutor of II DC English

Convener of ASAP

Mentor of Walk with a Scholar Programme

Chief Superintendent of internal examination

Member of IQAC

Workshop: Attended a workshop organized by Higher Education Council and Dept. of English, Mar Ivanious College, Tvm, on Environmental Studies on 8th December 2016.

Paper Presentation: Presented a paper titled “The Universal Voice of the Unheard” in the National seminar on South Asian Cultural Heteroglossia conducted by St. Aloysius College, Thrissur.

Publication: “Dismantling the Gender Binary: Leslie Feinberg’s Stone Butch Blues” in Roots, An International Journal of Multidisciplinary Researches.

Seminar: Attended a 1 day UGC National seminar on Human Rights at S.N.College, Punalur

4. Aswathy S.M.

Assistant Professor

Member of Literary Club

Member of Website Committee

Mentor of Students Support Programme

Attended a short-term induction programme organized by the Academic Staff College, Tvm.

Workshop: Attended a workshop organized by Higher Education Council and Dept. of English, Mar Ivanious College, Tvm, on Environmental Studies on 8th December 2016.

Seminar: Attended a 1 day UGC National seminar on Human Rights at S.N.College, Punalur

5. Gayathri Salim

Assistant Professor

Secured M.Phil degree with A grade from SreeSankara University, Kalady

Member of Debate Club

Member of Website Committee

Member of Calendar Revision Committee

Mentor of Students Support Programme

Attended a short-term induction programme organized by the Academic Staff College, Tvm.

Seminar: Attended a 1 day UGC National seminar on Human Rights at S.N.College, Punalur

Paper Presentation: Presented a paper entitled “Wrestling with Gender Stereotypes: Dungal a Feminist Critique” at the 3-day UGC National Seminar on Visual Politics and Contemporary Culture: Ideology, Representation and Narrative Space at SreeSankaracharya University of Sanskrit, Kalady, Ernakulam held on 5th, 6th and 7th April 2017

6. Nayana Joylal

Assistant Professor

Member of Women’s Study Unit

Member of Website Committee

Mentor of Students Support Programme

Seminar: Attended a 1 day UGC National seminar on Human Rights at S.N.College, Punalur

Conference: Attended a two-day International Conference-In Between: Critical Humanities in Context on 21st and 22nd October 2016

Paper Presentation: Presented a paper entitled ‘Kinetic Concrete Poetry: Limitation or Liberation at the two-day International Conference-In Between: Critical Humanities in Context on 21st and 22nd October 2016.

Publication: Published a paper entitled “Language and Symbols in the Short Stories of IsmatChughtai” in the journal Investigator

Requirements of the department:

1. The building in which the classrooms and department function require a good ceiling cover.
2. A Language lab is an essential part of the curriculum which is also prescribed in the syllabus of Communicative English. Department requires an audio-visual room and a computerized Language Lab that cater to the need of the students by enriching their language learning skills.

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 Pear 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	:	Attended a 5 day workshop on Research Methodology of History conducted by

Kerala

History Congress at UC College, Aluva.

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

Name : **Mrs. AthiraShaji**

Designation : Asst. Professor
Basic Degree : M.A. History
Administrative responsibilities : Information Officer (R T I Act, 2005),
Tutor to II B.A.
Convenor, Women's Study Unit

Activities during the year 2016-2017

Department conducted a one-day seminar in connection with the ZEST-2016, a multidisciplinary seminar series. Dr. Sebastian Joseph (HOD, PG Department of History & Research Centre, UC College, Aluva) gave a special talk on "Sight as Site: Making of the Modern Environment in India". In continuation with the seminar Dr. S. Unnikrishnan (Asst. Professor, Department of History, University College, Thiruvananthapuram) presented a paper on "Political Intervention and Evolution of Malayalam Language". Besides of it, students from our Department also presented their papers.

Prof. Shibu. T, as Convenor of BhoomitraSena Club, organized various programmes such as Environmental Day celebrations, Haritha Keralam Programme and Mazhakoithulsavam. Seedling of plants, digging of trenches for rain water harvesting, seminars on environmental issues etc. were conducted in our college.

Prof. AthiraShaji was a mentor of Walk with a Scholar Programme and attended a one-day workshop at St. Stephens College, Pathanapuram, organized by the Higher Education Department of Kerala Government. She also attended a one-day workshop in connection with the Scholar Support Programme at Sree Narayana College, Punalur, organized by the Higher Education Department.

Six students of the first-year class of our department conducted an Economic Survey for the Punalur Municipal Council. It was for the rehabilitation of the street vendors. Our students completed the survey successfully. Our department gave financial assistance to the first-year student Amrutha. S, whose mother had been seriously suffering from diabetics.

Achievements

Aparna. A of Final Year class represented Kerala University Cross-Country team which participated in the All India Inter University Championship. She also bagged Silver medals in Half Marathon and 10000 mtrs in the Kerala University Athletic Meet. Akhil. A of Second Year class placed Second in Shot-Put in the All Kerala Senior Athletics Championship. He also secured old medal in Shot-Put in the Kerala University Athletic Meet. Sarath Krishnan of Second Year Class placed Third In 110 mtrs hurdles in the Kerala University Athletic Meet.

Result Analysis

Total of 50 students appeared for the Final Year B. A. Examinations. Out of them 8 students successfully passed the course with First Classes. Pass Percentage was 16 while the University Pass Percentage was 13.84. Priyamvada. A. S scored Fourth Rank in this examination.

Manju. V of Third Year B.A. class won Third prize in an essay competition conducted by BhoomithraSena Club of our college on World Environment Day.

Functioning of Alumni and its contribution

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. Sujatha Kumari K, Head of the Department. Dr. Sujatha Kumari K, Associate Professor, one of our faculty members has been awarded Ph.D. degree in Automata Theory from the Faculty of Science, Mahathma Gandhi University, Kottayam. The UG and PG valuation camp duties were promptly attended by all the permanent teachers of the department. There are seven permanent faculty members and one guest faculty in the department which includes three Associate Professors (Male-1, Female-2) and four Assistant professors. Out of these four persons having Ph.D. Degree. Dr. K.Sujathakumari is the Head of the department and the other faculty members are Dr. S.Baiju, Prof. Mariyamma Varghese, Dr. DivyaSadasivan,

Smt. Jasmin Rose, Dr. Bijo S Anand and Sri. Sreemurukan A. Kumari. Shamna P S. served as guest lecturer in Mathematics.

Our faculty members are actively involved in various academic and co-curricular activities. Dr. DivyaSadasivan continues as resource person of Scholar Support Programme and mentor of “walk with a scholar” programme for first year students. Smt. Jasmin Rose took charge of the coordinator of Career Guidance and Placement Cell, convenor of the tutorial system and also the mentor of “walk with a scholar” programme for second year students. Besides as the CLMC convenor Prof. Mariamma Varghese is selected as the Chief Superintendent of examinations of the College from November 2016. Dr. Bijo S Anand is in charge of NSS programme officer. **Dr. Bijo S Anand attended a UGC sponsored Refresher course in Environmental Sciences(Multidisciplinary) conducted by UGC HRDC, University of Kerala.**

This year also our students had made commendable achievements in the University examinations. Kumari Aswathy C secured 2nd rank in final M.Sc. degree examination 2016 with 96% of marks. Cent percent success in PG and all of them secured first class. Due to the change from grade system to mark system over all pass percentage of the Final Degree at University level is only 32 and our pass percentage is 36.

Student profile

Class	M	F	Total	SC	ST	OBC	General
II PG	0	10	10	1	-	4	5
I PG	2	10	12	2	-	7	3
III DC	13	24	37	3	-	24	10
II DC	6	28	34	3	-	24	7
I DC	13	26	39	4	-	22	13

Pass Percentage

Class	Year and batch	SEM I	SEM II	SEM III	SEM IV	SEM V	SEM VI	Outgoing % of pass
II PG	2014-16	100	100	100	100			100
I PG	2015-17	66.7	100	Not published	Ongoing			
III DC	2013-16	40.54	29.7	29.7	48.6	45.9	36	36

II DC	2014-17	67.6	79.4	73.5	79	Not published	Not published	
I DC	2015-18	63.9	Not published	Not published	Ongoing			

Other Major Achievements of the Department During the Academic Year 2016-17 are given below

1. Research Paper publications/Presentations of the teachers

Name of Authors	Title of the paper	Name of Journal
K. Sujathakumari	Hexagonal Array Grammar System	British Journal of Mathematics and computer sciences.13 (5).1-12 2016 article no BJMCS 22764. ISSM:2231-0851
Dr. Bijo S Anand, Prof. Manoj Changat, Dr. Prasanth G. Narasimha Shenoi	Helly and Exchange Numbers of Geodesic and Steiner Convexities in Lexicographic Product of Graphs.	Discrete Mathematics, Algorithms and Applications, Vol 07, No. 04, 1550049
Dr. Bijo S Anand, Prof. Manoj Changat, Dr. Prasanth G. Narasimha Shenoi	Inverted Distance and Graph Products	National Conference on "Discrete Structures and Applications on 29-30 September 2016" at LBS-Women's College, Thiruvananthapuram.
Dr. Bijo S Anand	Some Approximation of steiner Distance in Cartesian Product of Graphs.	National seminar on "Number Theory, Discrete Mathematics and their applications" at Sree Narayana College, Nattika 18 February 2016.

Seminars and Conferences attended by the teachers.

Name of the teacher	Details of the seminars/ conference
----------------------------	--------------------------------------------

Dr. S .Baiju	International Conference on Algorithms and Discrete Applied Mathematics, Organized by Department of Futures Studies, University of Kerala. (CALDAM 2016)
Dr. Bijo S Anand	International Conference on Algorithms and Discrete Applied Mathematics, Organized by Department of Futures Studies, University of Kerala. (CALDAM 2016)

3. 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.K. SUJATHAKUMARI	Convener of Science Forum. Member of IQAC Faculty advisor of 3 th and 4 th semester M.Sc Mathematics. Convener of Academic Programme Committee. Convener of Grievance/ Redressal cell
Dr. S. BAIJU	Convener of Discipline/Ethics Committee. Planning and purchasing Committee member. College council member.
MARIYAMMA VARGHESE	Examination Chief Superintendent. Member of Library Advisory Committee College Level Monitoring Committee Convener of Planning Forum Member of the Women’s study unit.
Dr.DIVYA SADASIVAN	Faculty advisor of 5 rd and 6 th semester B Sc Mathematics CBCSS Program Convener of Research Promotion Cell Convener of IT/E-Learning Cell Executive member of the College journal “The Researcher” Nodal Officer of RUSA Member of Theatre Club Resource person of Scholar Support Programme. Mentor of WWS.

JASMIN ROSE J	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	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	Faculty Advisor of 1 st and 2 nd semester B.Sc. Mathematics CBCSS. Resource person of Scholar Support Programme. Website Committee member

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.
- LilinV.Bhaskaran:Convener of Literary Club, member of Library Advisory Committee.

- **Seminars/ conferences/orientation/refresher courses attended:**

- 1 **LilinV.Bhaskaran:**

- a. **Attended Orientation course conducted by the UGC HRDC, University of Kerala**
- b. Presented a paper on “Malayalathile Nishedhakriya”in a National Seminar.
- c. Presented a paper on “Naattuvaidyathile Viswasavum Aacharangalum” in a National Seminar.

- d. Presented a paper on T D Ramakrishnante Sugandienna Andal Devanayakiennanovelineaaspadamakiorupada nam” in a National Seminar.

DEPARTMENT OF PHYSICS

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

1. Academic Programmes

- a. MSc Physics (2 years)
- b. BSc Physics (3 years)

2. Report on research activities

- a) Major Project sponsored by UGC - Nil
- b) Minor Project sponsored by UGC -

Development of High anisotropy spinel nanoferrites for Magnetic Storage Media (Sanctioned by UGC, Amount Rs. 1.6 lakhs, submitted interim report

Principal investigator: Dr. Arun S. Prasad)

- c) PhD students: 1, Mr. Vibhu T.S. has been registered for his PhD under the supervision of Dr. Arun S. Prasad in University of Kerala in the topic, Synthesis, structure and Spectroscopic investigations on some 3d transition metal oxide spinels

- d) Student Project

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

(Principal investigator: Dr. Arun S. Prasad)

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

Result

BSc: Pass percentage: Waiting, last year: **61%**

MSc: Pass percentage: Waiting, last year: **93%**

Midhun P.S. former MSc student scored UGC-CSIR NET JRF

Co-curriculum

- (a) **Cibin Baby, II MSc Physics** participated in the class on disaster management by Sathya Sai group conducted at SG College, Kottarakkara
- (b) **Cibin Baby, II MSc Physics**, won third Prize in the Essay Writing Competition conducted at SN College, Punalur on behalf of National Science Day Celebration, Feb. 2017.
- (c) **Cibin Baby, II MSc Physics**, won first prize in Essay writing competition on National Science Day Celebration at SG College, Kottarakkara on 28th Feb. 2017
- (d) **Nikhila and Aswani, II MSc Physics**, won the first Prize in Quiz Competition held on National Science Day Celebration at SG College, Kottarakkara on 28th Feb.2017.
- (e) **Cibin Baby, II MSc Physics**, won first prize in Essay writing competition on World Environment Day Celebration at SG College, Kottarakkara on 5 June 2016.
- (f) **Rajeswari C. Pillai, Varsha, II BSc Physics**, participated and positioned fourth in the quiz competition held at Christian College, Chengannur, as part of WWS programme on 14th October 2016.
- (g) **Rajeswari C. Pillai and Rony Roy, II BSc Physics**, participated in the quiz competition held at SN College for Women on 10/2/2017 as part of Intercollegiate quiz competition.
- (h) **II MSc Physics students** participated in the workshop on 8086 microprocessor programming at SN College, Kollam on July 2016.
- (i) **Rajeswari, Rony Roy and others in II BSc Physics**, participated in NSS camp conducted during 21/12-2016 to 27/12/2016 at Kelankavu Govt. HSS.
- (j) **WWS mentees and NSS cadets, I BSc & II BSc** attended the Human Right Training Programme conducted at SN College, Punalur on 22/03/2017.
- (k) **WWS mentees from I BSc & II BSc** attended all the external mentoring session held as part of WWS programme, SN College, Punalur
- (l) **Alan S. Dinsha, III BSc Physics**, won first prize block level round of Federal bank speak for Kerala Debate competition held at St. Johns. College, Anchal.

- (m) **Alan S. Dinsha, III BSc Physics**, won third prize in district round of Federal Bank speak for Kerala intercollegiate debate competition held at TKM College, Kollam
- (n) **Alan S. Dinsha, III BSc Physics**, won second prize in quiz competition organised by St. Gregarious College, Kottarakkara on World Environment Day 2016.
- (o) **Alan S. Dinsha, III BSc Physics**, won third prize in intercollegiate slide show competition held at Sree Narayana College, Chengannur on World Ozone Day Celebrations 2016.
- (p) **Alan S. Dinsha, III BSc Physics**, won second prize in Kerala University intercollegiate quiz competition held at AKMAS College
- (q) **Alan S. Dinsa, III BSc Physics**, won first prize in elocution competition held at TKM College of Arts and Science.
- (r) **Rahul, II BSc Physics** participated in State Motivation Camp (FOCUS 2016-2017) held at Maria Rani Training College, Sreekaryam, TVM, organised by office of new initiatives, Directorate of Collegiate Education as part of Walk with A Scholar Programme, during 17/02/2017 to 19/02/2017.
- (s) **Rajeswari C. Pillai, Rahul, Varsha and Arya** participated the three-day motivation visit as part of WWS programme 2016-17, during 17/04/2017 to 20/04/2017.
- (t) **Akash S. Kumar and Abhijith F.S.**, II BSc students, are NCC cadets.
- (u) Conducted study tour programmes for BSc and MSc students

4. Seminars/talk conducted

As part of ZEST 2016, the following two resource persons were invited to conduct classes:

- (a) **Dr. G. Subodh**, Assistant Professor & HoD, Department of Physics, Kariavattam Campus, University of Kerala.

Topic: Elements of Crystallography and Diffraction.

- (b) **Dr. V. Krishnakumar**, Assistant Professor, Department of Physics, S.G. College, Kottarakkara

Topic: Holography and its Commercial Aspects

5. Papers published in journals/presented in seminars

1. Iron Oxide Nanoparticles synthesized by controlled bio-precipitation using leaf extract of Garlic Vine (*Mansoaalliacea*)

Arun S. Prasad

Mat. Sci. Sem. Cond. Process. Vol. 53 (2016) 70-83

2. Elucidating defect states and estimation of Urbach tail energy in plant mediated sol-gel synthesized semiconductors

Arun S. Prasad

Invited Talk in Second International Conference on Advanced Materials for Power Engineering (**ICAMPE-2016**), IIUCNN, MG University, Kottayam (13th November 2016)

3. Green Synthesis of Nanocrystalline Metal Oxide Semiconductors

Arun S. Prasad

Presented at **Refresher course in Materials Science** at UGC-HRDC, University of Kerala, Kariavattom, Thiruvananthapuram (Nov-Dec 2016)

6. Seminars, Conference, Refresher courses attended by Teachers

1. **Dr. Arun S. Prasad** attended **Refresher Course** in Materials Science (**21 days**, from 29-11-2016 to 19-12-2016) conducted by **UGC-HRDC** at University of Kerala, Kariavattom Campus, Thiruvananthapuram (2016)
2. **Praveen K.H.** attended **28 days Orientation course** (**28 days**, from 10-08-2016 to 06-09-2016) conducted by **UGC-HRDC** at **University of Kerala, Kariavattom Campus, Thiruvananthapuram (2016)**
3. **Dr. Arun S. Prasad** attended Second International Conference on Advanced Materials for Power Engineering (**ICAMPE-2016**), IIUCNN, MG University, Kottayam (13th November 2016)

7. **Dr. Arun S. Prasad chaired three sessions viz., Applications, Characterization and crystallization in Second International Conference on Advanced Materials for Power Engineering (ICAMPE-2016), IIUCNN, M.G. University, Kottayam, Kerala ((11-13 Nov. 2016)**
8. **Dr. Arun S. Prasad was titled as Member in the National Advisory Committee, Second International Conference on Advanced Materials for Power Engineering (ICAMPE-2016), IIUCNN, M.G. University, Kottayam, Kerala**
9. **Dr. Arun S. Prasad, Praveen K.H. and Lekshmi R.S. attended One Day Workshop for Internal Mentors and Co-ordinators (Cluster meeting), Walk With Scholar Programme, Funded and Supported by Office of New Initiatives, Directorate of Collegiate Education, Govt. of Kerala at St. Stephans College, Kottarakkara (2017)**

7. College level responsibilities & General activities of staff

(a) Dr. Arun S. Prasad

- a. *Head in charge*, Post Graduate Department of Physics, April 2016 to present
- b. *Tutor* I BSc Physics & I MSc Physics
- c. *Member*, College Council April 2016 to present
- d. *Member*, Organizing Committee, ZEST-2016: A Multidisciplinary seminar series in the 50 year pursuit of Sree Narayana College, Punalur
- e. *Member*, organizing Committee, National Science Day Celebrations 2017.
- f. *Member*, organizing Committee, National Seminar on Intellectual Property Rights
- g. *Member*, organizing Committee, National Seminar on Ozone day Celebration, September 2016
- h. *Nodal Officer*, All India Survey of Higher Education 2015-16, 16-17.
- i. *Internal Auditor* for PG Department of Chemistry, 2016-17.
- j. *Coordinator*, Walk With Scholar Programme, funded by the office of New Initiatives in Higher Education, Directorate of Collegiate Education, Government of Kerala, TVM, 2014 to present
- k. *Secretary*, Teaching Staff Association, April 2014 to Present
- l. *Member*, Internal Quality Assurance Cell (IQAC) 2013 to Present

- m. *Member*, Planning Forum 2015 to Present
- n. *Coordinator Website Committee*, 2013--16, *Member* 16-17
- o. *Member*, DST FIST Programme
- p. *Research Guide*, Faculty of Science in Physics, University of Kerala
- q. *Member*, Research Promotion Council
- r. *Principal Investigator*, UGC Minor Project
- s. *Principal Investigator*, KSCSTE student Project
- t. *Member*, Editorial board *Journal of Advanced Research in Applied Physics and Applications*
- u. *Member*, Editorial board *International Journal of Recent innovations in Applied Physics and Applications*
- v. *Senior Member* (Member No: 80349826), International Association of Computer Science and Information Technology (IACSIT)
- w. *Life Member* (Member No: APTLM 1095), Academy of Physics Teachers (APT), Kerala (<http://tinyurl.com/aptkeralalm>)
- x. *Member*, The International Nanoscience Community
- y. *Member & External Examiner*, Board of theory and practical examinations, MSc Physics (All Semesters), University of Kerala, Thiruvananthapuram
- z. *Member & External Examiner*, Board of theory and practical examinations, CBCSS FDP in Physics (All Semesters), University of Kerala, Thiruvananthapuram

(b) Praveen K.H.

- a. Nodal officer, Scholarships
- b. Tutor, II MSc Physics
- c. General Convenor, Co-curricular Club activities
- d. *Member & External Examiner*, Board of theory and practical examinations, MSc Physics (All Semesters), University of Kerala, Thiruvananthapuram
- e. *Member & External Examiner*, Board of theory and practical examinations, CBCSS FDP in Physics (All Semesters), University of Kerala, Thiruvananthapuram
- f. *Member*, *Organizing Committee, Human Rights Training Programme 2017*

- g. Member, organizing Committee, College Arts Day Celebrations
- h. Internal Mentor, WWS Programme

(c) Krishnasree R.S.

- a. Member, organizing Committee, College Arts Day Celebrations
- b. Tutor, II BSc Physics
- c. Attended as additional examiner for S6 BSc Physics paper valuation Camp and for practical examinations as external examiner, May 2017.

(d) Lekshmi R.S.

- a. Internal Mentor, WWS Programme
- b. Tutor, III BSc Physics
- c. Member DLMC.
- b. *Member & External Examiner*, Board of theory and practical examinations, MSc Physics (All Semesters), University of Kerala, Thiruvananthapuram
- c. *Member & External Examiner*, Board of theory and practical examinations, CBCSS FDP in Physics (All Semesters), University of Kerala, Thiruvananthapuram

Lab Assistants: D. Suprian & N. Prakasan

Mechanic: Aneesh

8. Development activities in the department

Infrastructure: Well-equipped BSc Physics Lab, Computer Lab, MSc Electronics Lab, MSc General Experiment Lab. During last year the following development activities were carried out

1. University of Kerala awarded Research Guide ship to Dr. Arun S. Prasad in

Nov. 2016, with Centre at S. N. College, Kollam. One student has joined under him for PhD work on the topic Synthesis, Structure and Spectroscopic investigations on some 3d transition metal Oxide Spinels.

2. 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. Also, Praveen K.H. has involved in monitoring the project works. The following MSc project works were successfully submitted to University:

- a. Plant mediated synthesis of copper oxide nanoparticles using the leaf extract of *Leucas aspera* (AKHIL RAJ M V, candidate code: 63014133001, 2016)
- b. Impedance analysis of $ZnCr_xFe_{2-x}O_4$ (Anju S., Candidate code: 63014133002, 2016)
- c. Green synthesis and thermal analysis of Manganese based nanoparticles using the leaf extract of *AdhatodavasicaNees* (Aswathy P. M. Candidate Code: 63014133005, 2016)
- d. Plant mediated Sol-gel synthesis of iron oxide nanoparticles using the leaf extract of *AdhatodavasicaNees*(Athira Vijayan, Candidate Code: 63014133007, 2016)
- e. Spectroscopic investigation of iron oxide nanoparticle synthesized using the leaf extract of *Leucas aspera* (Binsi S. L., Candidate Code: 63014133008, 2016)
- f. Impedance analysis of $Ni_xCa_{1-x}Fe_2O_4$ (Fousiya, Candidate Code: 63014133010, 2016)
- g. Calibration of Microprocessor based UV- Visible spectrophotometer & analysis of spectrum obtained for various compounds (Sarath Mon M. S., Candidate Code: 63014133014, 2016)
- h. Calibration of variable angle laser Ellipsometer & estimation of thickness of SiO_2 thin films coated on N-SF-66 (Shaiju B, Candidate Code: 63014133015, 2016)
- i. Analysis of UV-Visible spectrum obtained for various bio-synthesized samples using Microprocessor based spectrophotometer (Vipin R, Candidate Code: 63014133016, 2016)

- j. Analysis of UV-Visible Spectrum and Estimation of Band Gap Energy for Bio-synthesized Semiconducting Nanoparticles (Archana S. V., Candidate Code: 63014140003, St. Stephen's College, Pathanapuram, 2016)
- k. Impedance analysis of $Mn_xCu_{1-x}Fe_2O_4$ (Arya M., Candidate Code: 63014140, St. Stephen's College, Pathanapuram, 2016)

The department lack sufficient computers with internet facility. Only four regular teaching faculties are there and need 5 guest faculties are required each year for the conduct of remaining hours of teaching activities. The department needs 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

Department of physical education, SN College, Punalur has been a hub of achievements and activities ever since its inception in 1965. On the basis of objective evaluation and keeping in mind the current priorities for the upliftment of sports and health the department offers an open course titled Health and Fitness Education for the under graduate programme . Department achieved laurels at national, state university and district level competitions in many disciplines' especially in the field of Athletics.

Achievements

Department of physical education, SN College Punalur has been ranked among the top colleges in the University of Kerala. College Athletics team grabbed the overall championship title in the Kerala University Athletic Championship for the first time and also retained the men championship title. We continued the glory in the Kerala University Cross Country Championship in men and women section placing the inner and runner-up position. The College cricket, shuttle badminton, taekwondo, kabaddi teams also excelled in the Kerala University intercollegiate competitions.

Athletes represented Kerala University in the All India Inter University Championship

1. Likhin S
2. Akash S
3. Bibin B
4. Ansif S
5. Aparna A
6. Subi Mathew
7. Rani M

Kerala University Athleticmeet Medal Winners

Men Section

Sl No	Name	Event	Position
1	LIKHIN S	200m	GOLD
		100m	SILVER
2	AKASH S	1500m	GOLD
		3000m STEEPLE CHASE	GOLD
3	PRINCE S	HAMMER THROW	GOLD
		DISCUS THROW	SILVER
4	BIBIN B	10000m	BRONZE
		HALF MARATHON	SILVER
5	KANNAPPAN T	HAMMER THROW	SILVER
		DISCUS THROW	BRONZE
6	ROSHAN JOSE KURIAN	110m HURDLES	GOLD
7	ANSIF S	5000m	BRONZE
8	AKHIL A	SHOT PUT	GOLD
9	PRANAV PS	JAVELIN THROW	BRONZE
10	NIYAS S	20km RACE WALK	BRONZE
11	SARATH KRISHNAN	110m HURDLES	BRONZE
12	LIKHIN S	4X400m RELAY	GOLD
	AKASH S		
	ANU B		
	NANDU S		

Women Section

Sl No	Name	Event	Position
1	SUBI MATHEW	1500m	SILVER
		3000m STEEPLE CHASE	SILVER
2	APARNA A	10000m	SILVER
		HALF MARATHON	BRONZE
3	ABHAYA P	HAMMER THROW	SILVER

		DISCUS THROW	BRONZE
4	RANI M	5000m	GOLD
5	SILPA S	HAMMER THROW	GOLD

Kerala University Cross Country Championship

Men Section- winners

1. Akash S
2. Bibin B
3. Ansif S
4. Gibin B
5. Niyas S
6. ShanmughaRaj M
7. Jithin SM
8. Anu B
9. Prathul Narayanan

Women Section- Runner up

1. Subi Mathew
2. Aparna A
3. Rani M
4. Shiji Mathew
5. SreeLekhmi R
6. SreeLekshmi B

Grace Marks

A system of cumulative marks for awarding grace marks has been introduced by the University and twenty-five athletes are eligible for claiming the grace marks for the year 2016-2017

Sports Quota Admission

Our college as well as the Department under takes the responsibility of admitting the students under sports quota. Apart from the one reserved seat in each subject of Degree course two additional vacancies were filled in arts and commerce.

Other Activities

Apart from the regular training of students the Department also offers an Open Course titled Health and Fitness education. Sixty students were enrolled and appeared for the university Examination and the result was 100%.

Department also conducted a seminar on Modern Life Style and Hypo kinetic Diseases.

Sri. SanthoshR, Associate Professor attended a National Seminar in Sports Biomechanics organized by Kannur University. He also accompanied Kerala University Athletics Team as Manager which participated in the All India Inter University Athletic Championship held at Coimbatore.

Short comings of the Department

1. Lack of Stadium and infra structure facilities
2. Disinterest by the Parents
3. Working Hours of Physical Education Teachers not fixed
4. Incentives especially TA, DA, Grace Marks, Scholarships, Sports Quota Admissions are very less
5. Hesitation towards timely releasing of athletic fund by the administrative authorities
6. Lack of Hostel facility

Proposals and Recommendations

1. Infrastructure Development for Sports and Games
2. Sanctioning attendance for students participating in sports and games
3. Allowances of students (Practice match allowance & Daily Allowance during competition) may be enhanced
4. Increase the number of Sports quota admission
5. Sports Fee may be enhanced

6. Implement compulsory Physical Education Programme
7. Appoint Coaches and conduct coaching camp

DEPARTMENT OF ZOOLOGY

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

(b) Contract Faculty Total:1Male:1Female:Nil

Non-Teaching Staff Permanent Total:1Male:1Female:Nil

STUDENT PROFILE

Total No. of Students:86

Male students: 18

Female students:68

Outside state:Nil

Foreign:Nil

Pass % :40% (Sixth Sem) & 55% (Second sem)

No of research papers published in peer reviewed Journals: 4

No of PhDs awarded from the research center during 2016: Nil

No of students who cleared NET/SET/UGC-CSIR during 2016: Nil

Faculty members:

I. Dr.Jasmine Anand, HOD, Department of Zoology

Details of Paper Presentations in Conferences / Seminars: 4 Papers

INTERNATIONAL CONFERENCE

- **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.**
- **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.**

NATIONAL SEMINAR

- **Dr.Jasmine Anand and Dr.Akhila Thomas (2017). Impact of Medicinal Herb - *Ocimum sanctum* Supplemention on Selected Parameters of *Macrobrachiumrosenbergii*” presented at 104th Indian Science Congress, at SreeVenkedeswara University, Thirupathi from 3rd January 2017 to 7th January 2017.**
- **Dr.Jasmine Anand &Dr.A.Akhila Thomas, (2016). Immunomodulatory efficacy of dietary administration of medicinal herb extracts on *Macrobrachiumrosenbergii* based on relative gene expression in hemolymph” presented at Indian Science Congress, at Mysore University, Mysore from 3rd January 2016 to 7th January 2016.**

WORKSHOPS:

1. Attended workshop on **Energy Conservation Awareness Campaign on 29th December, 2016** at Centre for Environment & Development and Energy Management Centre, Kerala
2. Attended **UGC-Sponsored National Workshop on Statistical Application In Biology, at S.N College Varkala. From February 11 and 12, 2016.**

EXTENSION WORKS:

CO-ORDINATOR- URJA KIRAN-2016-2017--Public awareness campaign on Energy Conservation			
2016	EMC/ET&R/RT/16/2 Dated 08-12-16	Energy Conservation Rally (14-12-2016)	3000/-
2017	EMC/ET&R/RT/16/2 Dated 08-12-16	Energy Conservation Awareness Campaign (4-2-2017)	11000/-

II. Dr.Divya.R

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.

III. Dr.Biju.C

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 National seminar in connection with **International Ozone Day Celebrations-2016 on 28th September 2016** by Department of Botany and Zoology, S N College Punalur, Kollam and Kerala State Council for Science, Technology and Environment.
3. Co-ordinated National seminar in connection with **World Environment Day Celebrations-2016 on 17th June 2016** by Department of Botany and Zoology, S N College Punalur, Kollam and Kerala State Council for Science, Technology and Environment.
4. 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 Management Centre, Govt. of Kerala)** held at **St.John's College, Anchal 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.

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 equipments etc. (Details in the department minutes book 2016-2017). Functioning of the Department in the beginning of the academic year was with three numbers of Guest Faculties. Two permanent teachers were appointed on 22nd January 2016.

2. PTA MEETING:

PTA meeting for all the three classes (Ist SEM, IIIrd and VIth SEM) was conducted. PTA meeting for the VIth was conducted on 14/12/2016 at 11.00 AM. 25 student's parents were present for the meeting. Attendance, Assignment, Test papers, Result of test papers, Practical, Study tour were the agenda discussed on that occasion. PTA meeting for the First SEM was held in the department lab on 7/9/2016 at 2.00 PM. 27 parents were present on that occasion. parents were present in the meeting. Attendance, internal mark division, discipline, test papers are the major items discussed.

3. ONAM CELEBRATION:

Department of Zoology actively participated in conducting the Onam 2016 celebration. Dr. Jayaprakash. R was the Co-ordinator of the Onam 2016. Among the different competitions held on August 21st Department of Zoology got Ist prize in pookkalam

4. INTERNAL ASSESMENT AND TEST PAPERS.

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

5. ONE DAY TRIP.

Students of the 1st Sem (31 nos) had visited the medical exhibition – **MEDEX 2017** on 9-2-2017 at Govt. Medical College, Thiruvananthapuram. The teachers of the department accompanied them.

6. 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. R. Jayaprakash, Associate Professor (guest Lecturer) and 28 VIth SEM students, Dr.

Jasmine Anand (Head of the Department Zoology), Dr. Biju C Assistant Professors ((Head of the Department of Botany) and the departmental staff SirDivakaranaccompanied the study tour. The study tour was conducted from 13/02/2017 to 17/02/2017. The team visited so many ecologically and zoologically important places such as Zoological Garden, Mysore, Ranganathittu Bird sanctuary, Muthanga wild life sanctuary, wayanadu, Edakkal caves, KuruvaDweep and Coorge (Separate photo album presented for tour 2016-17).

7. LIST OF NATIONAL SEMINARS AND WORKSHOPS CONDUCTED BY THE DEPARTMENT DURING 2016 - 2017.

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 **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.
3. 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.
4. Co-ordinated one day **Energy Conservation Awareness Rally on 14th December, 2016** at Punalur Consistency in association with Centre for Environment & Development and Energy Management Centre, Kerala.
5. 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
6. Attended workshop on **Energy Conservation Awareness Campaign on 29th December, 2016** at Centre for Environment & Development and Energy Management Centre, Keral
7. National seminar in connection with **International Ozone Day Celebrations- 2016 on 28th September 2016** by Department of Botany and Zoology, S N College Punalur, Kollam and Kerala State Council for Science, Technology and Environment.

8. National seminar in connection with **World Environment Day Celebrations - 2016** on 17th **June 2016** by Department of Botany and Zoology, S N College Punalur, Kollam and Kerala State Council for Science, Technology and Environment.
9. **Dr.Jasmine Anand**, Attended workshop on **Energy Conservation Awareness Campaign** on **29th December, 2016** at Centre for Environment & Development and Energy Management Centre, Kerala
10. **Dr.Jasmine Anand**, Attended UGC-Sponsored National Workshop on Statistical Application in Biology, at S.N College Varkala. From February 11 and 12, 2016.
11. **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.
12. **Dr.Biju C**, Attended two day residential workshops on **Energy Conservation Awareness Campaign** on **29th December, 2016** at Centre for Environment & Development and Energy Management Centre, Kerala
13. **Dr.Biju C**, Attended two day residential workshops in **WWS** held at Loyola College, Sreekaryam, Thiruvananthapuram.
14. **Dr. Biju C**,attendedthree-day workshop on **Research** held at Govt. College of Teacher Education, Thiruvananthapuram.

FUTURE PROSPECTS

1. INTRODUCTION OF A DIGITAL SMART CLASS
2. SETTING A WELL EQUIPED BIOTECHNOLOGY AND MICROBIOLOGY LAB
3. SETTING A WELL EQUIPED BOTANY LAB
4. FRESH WATER AQUARIUM
5. MEDICINAL PLANT GARDEN

REPORT

S.N. College Punalur, Women's Hostel 2016-17

The S. N. Collage women's hostel was started in 2012 May 22nd with an inmate capacity of about 35students (list attached). During the academic year 2016-17 the hostel was in its full strength with Dr. JAYASENAN G, Principal, as Warden, and Dr.Jasmine Anand, Assistant Professor / HOD, Dept of Zoology as Deputy Warden. Ms.Gayathri Salim and Ms.NayanaJoylal Assistant Professors, Dept of English also resides in the same hostel and looks after the discipline of the students. Mrs. Suma is the Chief Cook and there is balanced healthy diet including veg and non-veg menus for the inmates. Mess is on the basis of dividing system. Study time table is given for the students and it is monitored by the teachers. The students are instructed to enter the hotel before 6.30 pm. A students log register and home register is maintained in the hostel. Each student are requested to sign the register while entering and leaving the hostel. Mobile phones are under the custody of the teachers and given to students as per requirement. 24 hr security service is availed in the hostel with full security. All the festival occasions had been celebrated by the inmates of the hostel.

A major constrain faced by the hostel is lack of space to accommodate the eligible candidates.

Warden

Deputy

Warden

S.N. College Punalur Women's Hostel – Details of Inmates 2016- 2017

Sl.No.	Room .no	Name of the Students	Batch
1	1	Avani.U	1 st -Bsc Physics
2	1	Arya.V.S	1 st –Bcom
3	1	Varsha.U	1 st –Bcom
4	1	Anooja Nair	1 st -BA History
5	2	Renu.R	1 st Msc Physics
6	2	Archa.B.Lalu	1 st Msc Physics
7	2	Amrutha.k.s	1 st Msc Physics
8	2	RemyaK.L	1 st Msc Physics
9	3	Rani. M	3 rd -Bsc Chemistry
10	3	Anju. S	3 rd -Bsc Chemistry
11	3	Aiswarya Madhu	3 rd -Bsc Chemistry
12	3	Aarathy Krishnan	3 rd -Bsc Chemistry
13	4	Gouri Nath	B.ed
14	4	Greeshma.M	3 rd -BA English
15	4	Jincy Johnson	3 rd -Bsc Chemistry
16	4	Reshma.U	1 st Msc Chemistry
17	4	Meenu.M.L	1 st Msc Chemistry
18	5	GeethuMohan.L	1 st Msc Physics
19	5	Nayana U.V	1 st Msc Physics
20	5	Bhavana B.S	1 st Msc Maths
21	5	Pooja. M	2 nd Msc Maths
22	6	Anchima. J	3 rd -History
23	6	Amrutha. M	3 rd -Bcom
24	6	Savitha.G.S	3 rd -BA English
25	6	Surabhi.S	3 rd -Bsc Physics
26	7	Asha . V	2 nd Msc Chemistry
27	7	Shilpa. R. R	2 nd Msc Chemistry
28	7	Sneha. M. G	2 nd Msc Chemistry
29	7	Aswini.V.S	2 nd Msc Maths
30	7	Ashely	1 st Msc Chemistry
31	8	Midhuna P	1 st Msc Chemistry
32	8	Amrutha Sasi	1 st Msc Chemistry
33	8	Jinsha.J.P	1 st Msc Chemistry
34	8	Arya Raj	1 st Msc Chemistry

ANNUAL REPORT- NCC (2016-2017)**COY No. 4/(ARMY), SREE NARAYANA COLLEGE, PUNALUR****(Under 9(K) Bn NCC, Kottarakkara)**

ANO	Lt. Dr. Arun. V, Assistant Professor, ANO & Head, P.G. Department of Chemistry
Authorized Cadet Strength	160 Cadets
Cadet Strength during this academic year	108 Cadets

The youth of the country is a national asset and its development is a task of great significance and importance. The NCC has got expertise and built-in-infrastructure to fulfill this goal on behalf of the Nation. Over the years NCC has contributed towards the goal in an effective and meaningful manner. Also, the NCC is the largest youth org in the world with an approximate strength of 15 lacs cadets.

The Aim of NCC is: -

- To develop qualities of character, courage, comradeship, discipline, leadership, secular outlook, spirit of Adventure, sportsmanship and the ideals of selfless service among the youth of the country.
- To create a human resource of organized, trained and motivated youth. To provide leadership in all walks of life including the Armed Forces and be always available for the service to the nation.
- To provide a suitable environment to motivate the youth to take up a career in the Armed Forces.

By focusing the above aims, various types of Social Service/ Community Development and training camps were organized by the NCC. The NCC unit in SN College is under 9(K) Bn NCC, Kottarakkra. The institutional parade training time was from 8.30 am to 1.00 pm on every

Saturdays. This year the NCC trg extended to three years and remaining % age of the strength is reserved for next year. On August 2016, 51 new cadets were enrolled. A summarized data of the NCC activities are given below. Sixteen institutional parades were carried out during the academic year 2016-17. **Lt. Dr. Arun. V**, Attended the Army Attachment Camp at 4Bihar Regiment, Pangode Military Camp, Thiruvananthapuram from 07 November 2016 to 19 November 2016. Following table explain the various other activities and achievement of the NCC UNIT in SN College, Punalur.

Annual Training Camp (ATC)	<p>Cadets participated in 3 ATC camps during this year. There various ATC Camps and their venue were</p> <ol style="list-style-type: none"> 1. CATC conducted BY 9 KERALA BN NCC KOTTARAKARA, AT SMHSS PATHARAM FROM 09 SEP 2016 TO 18 SEP 16. 2. CATC conducted BY 9 KERALA BN NCC KOTTARAKARA, AT SMHSS KOTTARA, FROM 23 DEC 16 TO 01 JAN 2017. 3. CATC conducted at Govt. Model HSS, Ambalapuzha from 18 May 2016 to 27 May 2016.
Social Service Camp (SSC)	NIL
Basic Leadership Camp (BLC)	NIL
Advanced Leadership Camp (ALC)	<p>During this year there is only one cadet participated in ALC</p> <ol style="list-style-type: none"> 1. MURUKAN. A: ALC camp –III 2017, held at Gujarat, Dora Nagar Haveli, Die and daman from 10 jan 2017 to 21 Jan 2017
Pre Republic Day Camp (PRDC)	<p>During this year there is three cadets participated in PRDC</p> <ol style="list-style-type: none"> 1. MURUKAN. A: Pre RDC Camp at CRPF pallipuram from 04 November 2016 to 13 November 2016. 2. REMYA.S: IGD-RDC Thrissur from 01 October 2016 to 26 October 2016. 3. POOJA.V. PILLAI: IGD-RDC Thrissur from 01 October 2016 to 26 October 2016. 4.

Republic Day Camp (RDC)	NIL
Army Attachment Camp	<p>Three Cadets participated in AAC camps during this year.</p> <ol style="list-style-type: none"> 1. VISHNU RAJ. P, Army Attachment Camp at 4Bihar Regiment, Pangode Military Camp, Thiruvananthapuram from 07 November 2016 to 19 November 2016. 2. ABUL FAIZY, Army Attachment Camp at 4Bihar Regiment, Pangode Military Camp, Thiruvananthapuram from 07 November 2016 to 19 November 2016. 3. VAISHAKHAN.A.S, Army Attachment Camp at 4Bihar Regiment, Pangode Military Camp, Thiruvananthapuram from 07 November 2016 to 19 November 2016.
Independence Day Camp (IDC)	NIL
National Integration Camp (NIC)	<p>Eight Cadets participated in NIC camps during this year. Their names, NIC Camps and venue were</p> <ol style="list-style-type: none"> 1. VIGNESH.M NIC-1 Alappuzha conducted by 11 Kerala BN NCC at SCUGHSS, Pattanakkad from 10th September 2016 to 21st September 2016 2. VISHNU RAJ. P NIC-1 Alappuzha conducted by 11 Kerala BN NCC at SCUGHSS, Pattanakkad from 10th September 2016 to 21st September 2016. 3. AMMU. O: NIC-III, NASHIK at BHONSALA MILITARY School, Nashik from 05 November 2016 to 16 November 2016. 4. KEERTHI VIJAYAN: NIC-II Kozhikode from 01 December 2016 to 12 December 2016. 5. SIMI. G: NIC-1 Alappuzha conducted by 11 Kerala BN NCC at SCUGHSS, Pattanakkad from 10th September 2016 to 21st September 2016. 6. POOJA.V. PILLAI: NIC- Gujarat from

	<p>01 December 2016 to 13 December 2016.</p> <p>7. NANDHU VINOBAN: NIC-1 Alappuzha conducted by 11 Kerala BN NCC at SCUGHSS, Pattanakkad from 10th September 2016 to 21st September 2016.</p> <p>8. ANEESH. VS: NIC-III, Nashik from 05 Nov 2016 to 16 Non 2016.</p>
All India Trekking	NIL
RCTC Camp	NIL
TSC Camp	<p>3 Cadets participated in various TSC camps during this year. Their names, TSC Camps and venue were</p> <ol style="list-style-type: none"> 1. AMMU. O: IGC Conducted by 16(K) BN NCC, Kottayam at St. Thomas HSS, Erattayar from 30 April 2016 to 09 May 2016. 2. AMMU. O: South Zone Shooting Capsule held at KandaswamiKandar's College, Velur, Tamilnadu from 23 May 2016 to 01 June 2016. 3. AMMU. O: Mini Shooting Camp Conducted by 16(K) BN NCC, Kottayam at Govt. College, Kottayam from 10 Aug 2016 to 19 Aug 2016. 4. AMMU. O: Mini Shooting Trials Conducted by 15(K) BN NCC, Thiruvalla at SA College, Edathua from 18 May 2016 to 22 May 2016. 5. SIMI. G: IGC Conducted by 16(K) BN NCC, Kottayam at St. Thomas HSS, Erattayar from 30 April 2016 to 09 May 2016. 6. SIMI. G: Mini Shooting Trials Conducted by 15(K) BN NCC, Thiruvalla at SA College, Edathua from 18 May 2016 to 22 May 2016. 7. REMYA.S: IGC-TSC Camp, Kozhicode from 22 July 2016 to 01 August 2016.
'C' certificate holders	16 'C' certificate holders

'B' certificate holders	38'B' certificate holders
Awards and Prizes	SIMI. G: Awarded the BEST CADET AWARD in the year 2016 with a cash prize of Rs. 4500/.
Other activities	

Signature of the ANO

Signature of the Principal

Annual Report of ASAP 2016-2017

An orientation class for the second batch of ASAP was conducted for the First Year Degree students with Ms.Anjali , the Programme Manager of Keralapuram SDC as the Resource Person on 8/8/2016 in the College Auditorium. Hundreds of students participated in the programme from different UG Courses and application forms were distributed among the interested students. An interview was conducted for the skill allotment to the selected students on -27-/ 10 /2016 at Ayoor SDC.

After the selection process a PTA meeting was organised on 2/11 /16 in the College Auditorium in the presence of the Principal and Ms.Anjali, Programme Manager of Punalur SDC. The classes of ASAP started from 24/11/2016 with Ms.Sruthi as the SDE and Mr.Vineedh Kumar as the Programme Manager in our college . The scheduled time is 9.00 am to 10.00am in the Seminar Hall. The classes for the Skill Course are to be conducted on Saturdays at Punalur SDC. Among the 27 students Blessy L Achankunju and Akshaya Krishna (APL-General) have been sponsored by the District Collector. The Foudation course of 2015-2016 batch has been completed on 23/11/2016 and the classes for the Skill course are undergoing.

An orientation class of Summer Skill Skool 2016-2017 for the Final Year Degree students was organised on 26/01/16 in the College Auditorium. Many students have registered for the classes and attended in their respective venues. And on 16/02/2017 an orientation class of CET was conducted under the guidance of Mr.Anoop, the P.M of Ayoor SDC at the College Auditorium for the FinalYear UG &PG students After soliciting the applications from the

interested students an interview was conducted at SG College, Kottarakkara for the selection of 21 days residential training programme from 24/2/17-1/3/17. Six students were selected from our college for the respective training programme which is intended to be held during the vacation period.

RESMI RAVINDRAN
ASAP CO-ORDINATOR
ASSISTANT PROFESSOR
DEPT. OF ENGLISH
S N COLLEGE,PUNALUR.

PRINCIPAL
S N COLLEGE,PUNALUR.

Walk With a Scholar Programme
Sree Narayana College, Punalur
(Plan Scheme 2016-'17)

Funded & Supported by Office of the New Initiatives in Higher Education, Kerala Science & Technology Museum Campus, Govt. of Kerala, PMG Jn., Thiruvananthapuram

Report of the work done during the academic year 2016-'17

After the successful consecutive conduct of the programme during the plan periods 2014-15 and 2015-16 respectively, the interest from student community towards the programme was exceptional, and thus our College decided to continue the programme initiated by the Office of the New Initiatives in Higher Education, Directorate of Collegiate Education, Govt. of Kerala, for the plan period 2016-17 as well. Dr. Arun S. Prasad, Asst. Professor & Head, Department of Physics continued the coordinator ship. Among the five mentors assigned to mentees entered into the third year of the programme; namely, Ms. Sajitha S., Asst. Professor, Department of Commerce, Sri. Manoob V. J, Asst. Professor, Department of Physics, Lt. Dr. V Arun, Asst. Professor & Head, Department of Chemistry, Ms. Jasmine Rose, Asst. Professor, Department of Mathematics and Ms. AthiraShaji, Asst. Professor, Department of History, Sri. Manoob V. J had been transferred to other colleges and Ms. Sajitha S. went for maternity leave. Therefore, two

new internal mentors were selected in their place for the smooth conduct of the programme in the third year. Their names viz., Ms. Kavitha K. S., Asst. Professor, Dept. of Commerce and Ms. Lekshmi R. S., Asst. Professor, Dept. of Physics had already been reported to the office of New Initiatives. Further, Dr. Gopan Raj, Asst. Professor, Department of Chemistry, Prof. Soumya Viswambharan, Asst. Professor, Department of Economics, Prof. Biji M.S., Asst. Professor, Department of Malayalam, Prof. Praveen K. H., Asst. Professor, Department of Physics, Prof. Resmi Ravindran, Asst. Professor, Department of English were continued to be as mentors for students entered into the second year. Another five mentors, namely, Dr. DivyaSadasivan, Asst. Professor, Department of Mathematics, Dr. Biju V., Asst. Professor, Department of Botany, Dr. Divya V., Asst. Professor, Department of Chemistry, Aswathy S. M., Asst. Professor, Department of English and SilpaSasankan, Asst. Professor, Department of Commerce were selected as mentors for the first year students. Meanwhile 30 meritorious students were selected from the first years among various departments after the step by step process including notification, shortlist and aptitude test.

A meeting of coordinators was conducted by office of new initiative at S. N. College for Women on 5/8/2016. Coordinator, Dr. Arun S. Prasad participated in the meeting. Dr. Rajoo Krishnan, the officer in special duty convened the meeting. In that meeting discussions were carried out how the programme can be improved to bring into an effective level of functionalizing in colleges. Internal mentoring sessions were decided to be cut shot to a mandatory of ten sessions from the previous year assignment of minimum 15 sessions. But, a mentor who wishes to have more hours can conduct sessions accordingly, but officially the mentor will be remunerated for ten sessions only. Meantime, external mentoring sessions were enhanced to 70 hours inclusive of total sessions assigned to three years. Two days residential workshop for coordinators was conducted at Layola College, Sreekaryam during November 2016. On behalf of the coordinator, Dr. Biju C., one of the first-year internal mentors participated in the event. Dr. Arun S. Prasad, the coordinator was relieved for undergoing refresher course by that time at UGC HRDC Karyavattam. But he could manage to participate an evening session of the workshop. The coordinator along with 8 internal mentors then participated the capacity building one day workshop for internal mentors and co-ordinators, so called mentor navigation workshop, scheduled on 23-Jan-2016 at St. Stephens College, Pathanapuram, which was the cluster College this year to which our college was the member. Ms. Geetha Annie George, the cluster co-ordinator and co-

ordinator of WWS programme at St. Stephens College welcomed all participants; Principal Dr. Varughese P. daniel presided over the session and Dr. S. Rajoo Krishnan, OSD, Office of New Initiative made an introductory address to the programme. The first technical session was handled by Prof. Dr. Viswanadhan Nair, Dean (Rtd.), Department of Education, Kariavattom campus, Unverity of Kerala on different aspects of mentoring. The afternoon session was handled by Dr. Rosamma Philip, Associate professor, Mount Tabor Training College, Pathanapuram on the topic entitled Mentoring in colleges, Challenges and Oppertunities. The workshop concluded with some consensus in implementing the programme by considering the particular conditions exist in the college. Each of the participatory colleges was given the freedom to find their own ways to implement the programme.

The fund of Rs. 2, 42,500/- was released by the Government in the Principal's account provided earlier for the conduct of the programme on 30-01-2017. On 21-Jan-2017, external mentoring sessions started. The Principal, Co-ordinator and some of the internal mentors addressed the function. The co-ordinator introduced the detailed schemes and schedules of the programme as well as the needs and benefits of the programme to the students. A full day (5 hrs) external mentoring session on the topic entitled *The Right Attitude for Success* was handled by Sri. Ajith Ramaswamy, HRD Trainer from Mentor Academy, Kollam in the same day. On 04-Feb-2017 another 6 hr external mentoring session on the topic entitled Goal *Look Within* was handled by the Sri. Prince Verghese, HRD Trainer, MindiT Mind Solutions, Kottayam. This external mentor was invited for different topic for the first year and second year according to the requirements of the students in each year. However, interested students from three-year batches of the programme as well as a few of the bright students who are not part of the programme but shows interest to the programme were allowed to sit in the sessions as guests. The format of Mentees Cumulative Records was distributed to the internal mentors, in order to collect and file the personnel profile of each mentee during the successive internal mentoring sessions. The required stationary kits were also provided. The internal mentoring sessions were carried out at 9 a.m to 10 a.m or 3.45 p.m to 4.45 p.m on week days and sometimes conveniently on Saturdays. The internal mentoring sessions were mainly focused on to uplift the confidence level of mentees, their attitudes, skill as well. Value inculcation and SWOT analysis were also made. The career aspiration classes, group talks, how to face interviews so and so classes were conducted for second year students. Efforts were initiated to bridge the gap between education and

employment. Mentees who had serious family issues were given special considerations and affections to sit for unrelenting discussions to sort out their mind set and attitudes.

On 11-Feb-2017 an external mentoring session on the topic entitled ***How to Live the Life: A meditation Class*** handled by Sri. Prince Varghese, MindIT Mind Solutions, Kottayam was conducted. On 18-Feb-2017 a full day (6 hrs) external mentoring session on the topic entitled ***Self estimation and Meditation*** was handled by Sri. Premchandra Pillai, Corporate Trainer, Trivandrum. Also, on 25-Feb-2017 a full day (6 hrs) session was handled by the same trainer on the topic entitled ***Career Orientation & Group Discussion***. Another 6 hr external mentoring session on the topic ***Group Activities and Leadership Qualities*** was handled by Sri. Ajay Kumar Kurup, LIC Branch Manager & JCI National Trainer, Kottayam on 04-03-2017. On 11-03-2017, the same trainer conducted another 6 hr classes on ***interview tips, presentations, group discussions and Mock Interview***. On 18-03-2017, Sri. Justin Thomas, Marketing Manager, TIME, Kollam took 6 hr classes on ***SWOT Analysis***. On 25-03-2017, Sri.GopakumarMelelil, JCI Trainer, Pathanamthitta handled classes for 6 hrs on the topic ***Prospective of Higher Education***. The same trainer took 6 hr classes on ***How to Build Soft Skills*** on 01-04-2017.

On 3-April-2017, a package of Mock test/interviews/group discussions was conducted exclusively for third year mentees. The classes were engaged by six experts from TIME institute, Kollam, who handled various aspects of career orientation, Mock test, real time experiences in public centres such as markets, railway stations, Government offices, schools, colleges, channel discussions, public transports etc. They supplied printed notes as well for the benefits of students while appearing for interviews. Rs. 15,000/- was paid for this package which includes the remuneration for six experts, travel, refreshments and charges for supplementary printed notes.

Sri. Sunil D. Kuruvila of Insight Mission, Mavelikkara handled 4 hr long session on 4-April-2017 about ***Golden Rules of Success*** and 6 hr long session on 5-April-2017 about ***How to Face Interviews***. During the interaction hours of each of internal and external mentoring session, many a number of mentees responded actively regarding the confidence level they achieved during the course of such classes. In the limited time we could complete a total 70 hrs of external mentoring for the three years, a mock test for final years and 10 hours of internal mentoring sessions for each of the 15 mentoring groups. The mentors after the completion of their work submitted the declaration regarding the completion of their work and the activity report to the Principal through

coordinator. The activity statements, attendance, feedback, vouchers and other details regarding the internal and external mentoring are kept filed in various forms provided. The fund utilizations were audited accountably and the utilization certificate along with the statement of expenditures, original bills and vouchers duly signed by the Principal is also submitting herewith to the Office of the New Initiatives in Higher Education, Kerala Science and Technology Museum Campus. Meantime the Motivational visits were conducted to Regional Agricultural Research Station, Pilicode, Kasarghod, The historical Bakel Fort at Kasarghod, The Bakel beach, Indian Naval Academy, Ezhimala, Kannur, the historic kappadu beach, Mananchira square and Mittayi street at Kozhikkodu city. The co-ordinator, Dr. Arun S. Prasad along with one of the second-year internal mentors, Ms. Biji M.S., Asst. Professor, Department of Malayalam were joined the visits with second year mentees. The visit was schedule from 17/04/2017 to 20/04/2017. An additional advance allotment of Rs. 60,000/- received for this purpose was insufficient. The coordinator advanced another Rs. 21,593/- and thus a total amount Rs. 81,593/- was expensed for the complete utilisation. The original bills and vouchers related to the visits are kept filed for onward submission to the office of new initiatives. A detailed report of motivational visit also has been scripted separately. The expression of interest for conducting Walk with a Scholar Programme in the next year, the Motivational visit, capacity building cluster workshop for internal mentors and coordinators, workshops for mentees in the next year as well are addressing herewith.

Co-ordinator

(Dr. Arun S. Prasad)

