

SEMINAR: 9

NAME_OF THE DEPARTMENT: MATHEMATICS

TITLE OF THE SEMINAR: **R-PROGRAMMING**

DATE: 07-03-2019 to 08-03-2019

Speakers

- Prof. M. Somasekharan Pillai, Associate professor and HoD, Department of Statistics, University College, TVM.
- Dr. Sumalatha B S, Assistant Professor, Department of Economics, Central University, Tamil Nadu.

Organizing Committee

- Rev. Fr. Johnson Puthuvellil (Principal)
- Rev. Fr. Philip Kannankulam (Bursar)
- Sibi C Babu
- Sumesh S S
- Dr. Dilip D S
- Smitha Mary Mathew
- Minimol S
- Renju R V
- Shamma P S
- Priyalekshmi S

ST. JOHN'S COLLEGE
Anchal
Re-accredited with A Grade by NAAC

**DEPARTMENT OF
MATHEMATICS AND
STATISTICS**

**TWO DAY NATIONAL
WORKSHOP ON R
PROGRAMMING**

07-08 March 2019

Sponsored by KSCSTE

Venue
St. John's College.



R Programming

About the College

St. John's College affiliated to the University of Kerala and started in the year 1964. It is one of the higher educational institutions of the Syro-Malankara Catholic Church, established and administered by the Major Archdiocese of Trivandrum. The college is situated at Anchal, Kollam district, Kerala, India. This esteemed centre of learning is the fruit of the vision and farsightedness of late Archbishop Benedict Mar Gregorios and is currently flourishing under the patronage of Moran Mor Baselios Cleemis Catholicos. Ever since its inception, the college is championing the cause of learning and total development of the region.

About the Department

The Department of Mathematics and Statistics started in the year 1964 and was upgraded with B.Sc Mathematics course in 1967 and M.Sc Mathematics course in 1995. The objective of the department is to expose bright young students to the excitement of doing Mathematics, to promote independent mathematical thinking and prepare them for higher aspects of Mathematics.

About The programme

The Department of Mathematics and Statistics in association with Kerala State Council for Science Technology and Environment, (KSCSTE), Thiruvananthapuram is organizing a "Two day National Workshop on R Programming". The main objective of the workshop is to introduce the major data analyzing software R. R is a programming language and free software environment for statistical computing and graphics. Data Analysis is an

emerging career option and R language is widely used among statisticians and data miners for developing statistical software and data analysis. The intention of this workshop is to give an introduction to students, teachers and researchers in various colleges and universities about scientific computing and data analyzing tools. So the seminar focuses on Mathematics teachers, researchers and Post Graduate students in Mathematics, Statistics and other disciplines of Colleges under various Universities and Institutions in Kerala and outside the State.

Contact

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Registration Form

Name :
(In Block Letters)

Designation :

Institution/College :

Department :

Postal Address :

Phone No :

E-mail :

Signature of the delegate:

Please send the duly filled registration form by post or e-mail to reach the Coordinator on or before **01-03-2019**

KSCSTE Sponsored
TWO DAY NATIONAL WORKSHOP IN R PROGRAMMING
07-08, March 2019
Report

Inaugural function of the seminar was started with a prayer song and inaugurated by the Principal of St.Johns College, Anchal on 07.03.2019 at 10.00 am. The HoD Sibi C Babu, presided the function and Prof.S Minimol felicitated. At 11.15 am inaugural function came to an end.

First technical session was handled by Prof. M Somasekharan Pillai. He gave a brief introduction to R Programming. R is a programming language and free software environment for statistical computing and graphics. He introduced the elementary tools of R Programming. The concepts we introduced through a developers angle and construction of some basic packages were discussed. Statistical data analyzing techniques like mean, median co-relation and regression analysis were also discussed.

Second technical session was started after lunch break at 2.00pm and it was chaired by Mr. Adersh V K. He introduced the syntax and functions(packages) in R Programming. He has illustrated how the packages are created using basic syntax . He also handled a practical session on creating such packages.

Next day the third session started at 9.30 am and it was chaired by Dr.Sumalatha B.S. Data Analysis is an emerging career option and R language is widely used among statisticians and data miners for developing statistical software and data analysis. She began the session by introducing different data analyzing tools. She then gave a practising session on data analysis using Excel.She spoke about emerging career options in data analysis. Her sessions were cocluded by 12.30 p. m.

After lunch the fourth session began at 1.30 p.m and is handled by Mr. Manesh Jacob. He introduced prime institutions in India and courses offered by them in higher education. He also spoke about the scope of learning Mathematics.

Valedictory function was started at 3.00 pm and certificates of participation are distributed during the function. The programme came to an end by 3.40 p.m.





Kerala State Council for Science, Technology and Environment

Dr. P. Harinarayanan
Senior Scientist

No. SSW/247/2018/KSCSTE

21.12.2018

Sir,

Sub:- KSCSTE – Scheme for promoting S&T Seminar/ Symposia/ Workshop – reg.

Ref: - i) Your proposal entitled 'Two Day National Workshop on R Programming', dt: 19.12.2018.

ii) Minutes of the meeting of SSW Committee, held on 20.12.2018.

This is to invite your attention to the reference cited above and inform that KSCSTE is pleased to co-sponsor the two day National Workshop by extending financial assistance of ₹ 40,000/- subject to fulfilling the following norms of National Workshop.

1. Programme Brochure/ Invitation should be sent to KSCSTE well in advance.
2. The organizers should ensure that the conditions stipulated as per the KSCSTE guidelines are fulfilled.
3. As per the guidelines, at least 10% of the delegates and Resource persons shall be from outside the State in the case of National Programme. If this condition is not satisfied, the Programme will be treated as appropriately and the co-sponsorship amount shall be as per rules.
4. The financial assistance may be utilized exclusively to cover the expenditure on Course materials, Publication of proceedings Honoraria and TA for Resource Persons. TA shall not exceed 25% of co- sponsorship from KSCSTE. Utilization of the grant for any other purpose other than the approved heads shall not be entertained.
5. The financial assistance from the Council shall be in the nature of co- sponsorship, and hence KSCSTE should be properly acknowledged as either '*jointly organized by KSCSTE*' or '*Co-sponsored by KSCSTE*' in all the brochures, banners, proceedings, etc. brought out in connection with the Workshop.
6. The Souvenirs/ Proceedings brought out in connection with the National Workshop should essentially include one page advertisement about KSCSTE and the matter for advertisement shall be made available on request.
7. Change of venue or dates of the programme, if any, shall be reported to the undersigned promptly.
8. This offer letter is valid for 6 months from this date. In case it fails to organize the programme within the stipulated time frame (within 6 months) this offer will be invalid and will automatically stands cancelled.
9. The approved amount will be released to the Head of Institution on the submission of the following documents after the event.
 - a) Total income and Expenditure Statement of the programme.
 - b) Audited Utilization Certificate (UC) and Statement of Expenditure (SE) in the format enclosed herewith. In the case of affiliated Colleges and NGOs, the audited SE & UC signed by a registered Chartered Accountant, countersigned by the Head of the Institution only will be accepted.
 - c) List of participants – details of both delegates and resource persons- duly certified by the Organizing Secretary/ Head of the Institution.
 - d) Brief report including photographs, press clippings etc. along with a note on specific recommendations of the programme and also the schedule of each session.
 - e) Souvenirs/Proceedings (including one page advertisement about KSCSTE) brought out in connection with the programme.
 - f) Programme Brochure/ Notice and related publicity materials with due acknowledgment to KSCSTE.
10. The above documents may be submitted **within two months** after the conduct of the Programme. **In case it fails, further processing will not be considered.**

Please quote the above File No. in all your subsequent correspondences in this regard.

Thanking you,

Yours sincerely,


Dr. P. Harinarayanan

Shri. Tony Philip
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