



# NIRMALA COLLEGE MUVATTUPUZHA

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**FOURTH CYCLE NAAC ACCREDITATION 2019**

## CRITERION 1

### CURRICULAR ASPECTS

1.1.2. Number of certificate/diploma program introduced during last five years

**PSECC18 CERTIFICATE COURSE-PROGRAMMING SKILLS ENHANCEMENT**

*Submitted to*



**THE NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

# CRITERION 1

## CURRICULAR ASPECTS

### PSECC18 CERTIFICATE COURSE-PROGRAMMING SKILLS ENHANCEMENT

1. SYLLABUS
2. STUDENTS LIST
3. ATTENDANCE REGISTER
4. ASSESSMENT PROCEDURE
5. SUMMARY REPORTS
6. CERTIFICATE
7. BROCHURE
8. MINUTES

**CERTIFICATE COURSE**  
**ON**  
**PROGRAMMING SKILLS ENHANCEMENT**

**CODE: PSECC18**

**COURSE DURATION:30 Hrs**

**Module I:** Introduction to SAS, Getting Started in SAS, Reading Data into a SAS Data Set


**Module II:** Assignment Statements and Numeric Functions, If-Then-Else Statements, Creating List Reports

**Module III:** Writing Programs That Work, The Format Procedure, The REPORT Procedure

**Module IV:** Summarizing Continuous Data, Summarizing Categorical Data

**The list of student who successfully completed the certificate  
course on “Programming Skills Enhancement” organized by the  
Department of Statistics, Nirmala College, Muvattupuzha**

<b>Roll No</b>	<b>Name</b>
5001	Anoop Sunny
5002	Jerrin John
5003	Jose Francis
5004	Sarath Sukumaran
5005	Vishnu Sukumaran
5006	Anjana Shaji
5007	Anns Maria Raju
5008	Anumol George
5009	Anumol Kurian
5010	Arunpriya Johny
5011	Ashina Hussain
5013	Jeslin Varghese
5014	Josme Baby
5015	Mariya Shiyara
5016	Nimisha Vincent
5017	Sreelakshmi Rajasekharan
5018	Sruthi Kunjappan
5019	Twinkle Augustine

  
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NIRMALA COLLEGE  
MUVATTUPUZHA






## **Summary Report of the Programming Skills Enhancement**

The Post Graduate & Research Department of Statistics, Nirmala College, Muvattupuzha organized a 30 hour certificate program on programming skills based on SAS. The beneficiaries of the program are the M.Sc. Statistics students. The classes started on 8<sup>th</sup> January 2019 and ends on 26<sup>th</sup> March 2019.

## **Assessment Procedure of the Programming Skills Enhancement**

The Post Graduate & Research Department of Statistics, Nirmala College, Muvattupuzha organized a 30 hour certificate program on programming skills based on SAS for the M.Sc. Statistics students. Statistical Analysis Software or simply SAS is a well-known software used in the field of data analysis, especially in the areas of Pharmaceutical and Medical analysis. The classes started on 8<sup>th</sup> January 2019 and ends on 26<sup>th</sup> March 2019. The classes arranged in the department lab and the evaluation process accompanied by online assignments. All students except B. Roshna, who discontinued the M.Sc. Statistics program, completed the course successfully. The certificates are issued at the end of the programme.

  
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# CERTIFICATE



THE POWER TO KNOW™



## Post Graduate & Research Department of Statistics

### Nirmala College, Muvattupuzha

*This is to certify that Mr. Anoop Sunny, second semester M. Sc. Statistics has successfully completed the certificate course on "Programming Skills Enhancement" organized by the department.*

Muvattupuzha  
04-04-2019

A handwritten signature in blue ink, appearing to read 'T.M. Jacob'.

**Dr. T.M. Jacob**  
Co-ordinator



*Seetha Lekshmi V*  
**Dr. Seetha Lekshmi, V.**  
HoD



08  
NOVEMBER  
2019

NIRMALA COLLEGE MUVATTUPUZHA  
DEPARTMENT OF STATISTICS

CERTIFICATE COURSE

# PROGRAMMING SKILLS ENHANCEMENT

Staff Coordinator:

**Dr. T.M. JACOB**  
ASSISTANT PROFESSOR  
MOB: 9447003905



## Minutes of the staff meeting held on 25.9.2018

Meeting started with a silent-prayer at 3.20 pm

- \* The meeting resolved to conduct the PTA of III Sem. M.Sc. on 1 October 2018. Also it is proposed to conduct a communication program and a SAS training program
- \* Internal examinations of III Sem P.G begins from 8 Oct. onwards. Submit the question papers on or before 28.9.18.

\* Acquaint a statisticians program for the I Sem can be conducted on 8/9/18.

\* Class tutors are instructed to give the names of five students who can interact with the Moke team on 5/10/18 & 30/10/18. /Peer learn

\* Also the list of 5 Alumni, 5 parents should be given to the IQAC co-ordinator.

\* HoD introduced <sup>and welcomed</sup> the new Guest faculty - Dr. Nidhi P. Ramesh & Dr. Renjini K.R. Meeting came to an end by 3.45 pm.  
Members present-

1. Sophy Thomas *ms*

2. Dr. Seethalekshmi V *ms*

3. Dr. JM Jacob *ms*

4. Dr. Nidhi P. Ramesh *ms*

5. Dr. Renjini K.R *Renjini*

Head of the department *Spl*

Prof. Sophy Thomas  
Head  
Postgraduate Research  
Department of Statistics  
Nirmala College, Kuzha