



केन्द्रीय कन्द फसल अनुसंधान संस्थान

(भारतीय कृषि अनुसंधान परिषद्)

श्रीकार्यम, तिरुवनन्तपुरम 695 017, केरल

**CENTRAL TUBER CROPS RESEARCH INSTITUTE**

(Indian Council of Agricultural Research)

SREEKARIYAM, THIRUVANANTHAPURAM 695 017, KERALA, INDIA

Dated 16.02.2011

Dr. J. Sreekumar, Senior Scientist (Agricultural Statistics)

Section of Extension and Social Sciences

Central Tuber Crops Research Institute

Sreekariyam- 695017, Thiruvananthapuram

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To

All Directors/Deans/Head of Institutions

Sir,

**Sub: Training Programme on Data analysis using SAS under NAIP project on "SSC for NARS"**

As you are aware, a research project on **Strengthening Statistical Computing for NARS** sponsored by the NAIP is in operation in a consortium mode with the following objectives:

1. To strengthen the high end statistical computing environment for the scientists in NARS.
2. To organise customised training programmes and also develop training modules and manuals for the trainers at various hubs.
3. To sensitize the scientists in NARS with statistical computing capabilities available for enhancing their computing and research analytics skills.

In order to sensitize usage of SAS in NARS, a training programme on **Data analysis using SAS** is being organised from **3<sup>rd</sup> to 9<sup>th</sup> March 2011** at Central Tuber Crops Research Institute, Sreekariyam, Thiruvananthapuram. Kindly nominate 3-4 scientists/faculties from your Institute /University for this training programme. **The nomination may be sent by e-mail or by post to the address given on or before 25<sup>th</sup> February, 2011.** The expenses towards TA (restricted to II AC train fare) and DA of participants will be met from project funds. The boarding and lodging arrangements would be made by us. The participants are requested to book their tickets only after receiving confirmation from the Organizing Secretary. The proforma of application for the training programme is enclosed.

Thanking you

Yours sincerely

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Director (Per.) : 2598551  
" Residence : 2441957  
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ctcritvm@hotmail.com  
Website : <http://www.ctcri.org>

## FORMAT OF APPLICATION FORM FOR PARTICIPATION IN TRAINING

National Training on "Data Analysis Using SAS " sponsored by NAIP organized at Central Tuber Crops Research Institute during 3 March to 9 March, 2011

1. Full Name (in block letters) :
2. Designation :
3. Present employer and address :
4. Address to which reply should be sent : (in block letters)(Give phone, mobile, fax & email id)
5. Permanent address :
6. Date of Birth :
7. Sex: Male/Female :
8. Teaching/research/professional experience (mention post held during last 5 years and number of publications)
9. Mention if you have participated in any Training Course during the previous years under ICAR/ other organizations :
10. Need for this training and how it will help in our research activities:
11. Academic record

Examination passed	Subjects main/subsidiary	Year of passing	Class ranks,	University	Other information
Bachelor's degree					
Master's degree					
Doctoral degree					
Other certificates, diploma, degree, if any					

12. Level of knowledge in statistics and Programming

Signature of the applicant

13. Recommendations of forwarding Institute :

Signature

Date

Designation, Address

**All Correspondence must be addressed to**

**Dr.J.Sreekumar**  
**Senior Scientist & Organizing Secretary**  
**Central Tuber Crops Research Institute**  
**Sreekariyam**  
**Thiruvananthapuram- 695 017, Kerala**

**Phone : (0471)2598551 to 54 Extn 121**  
**Mobile—09447011719**

**Email: [sreejyothi\\_in@yahoo.com](mailto:sreejyothi_in@yahoo.com)**  
**Website : [www.ctcri.org](http://www.ctcri.org)**



## Training Programme on DATA ANALYSIS USING SAS

**3 to 9 March , 2011**

**Organized by**

**CENTRAL TUBER CROPS  
RESEARCH INSTITUTE  
THIRUVANANTHAPURAM**

and

**INDIAN COUNCIL OF  
AGRICULTURAL RESEARCH  
NEW DELHI**



Under the NAIP Project on  
"STRENGTHENING STATISTICAL  
COMPUTING FOR NARS"

## DATA ANALYSIS USING SAS

As you are aware a research project on **Strengthening Statistical Computing for NARS** is in operation sponsored by the NAIP in a consortium mode with the following objectives:

1. To strengthen the high end statistical computing environment for the scientists in NARS.
2. To organise customised training programmes and also develop training modules and manuals for the trainers at various hubs.
3. To sensitize the scientists in NARS with statistical computing capabilities available for enhancing their computing and research analytics skills.

In order to sensitize usage of SAS in NARS, a training programme on **DATA ANALYSIS USING SAS** is being organised from **3<sup>rd</sup> to 9<sup>th</sup> March 2011** at **Central Tuber Crops Research Institute**, Sreekariyam, Thiruvananthapuram

### Course Contents

This course focuses on the following key areas:

**BASE SAS:** Reading raw data files and SAS data sets and writing the results to SAS data sets, sub setting data; combining multiple SAS files, creating SAS variables and recoding data values, creating listing and summary reports, output delivery system.

**SAS STAT:** This course covers wide range of statistical topics using SAS Software to carry out statistical analysis. Topics include statistical inference, analysis of variance, correlation and regression analysis, multiple regression, non parametric analysis, multivariate analysis, sample survey analysis, response surface design, non linear programming etc.

This course will also provide insight into SAS macros, SAS procedures and carrying out advanced statistical techniques using SAS

**SAS EG and JMP:** This course provides an overview of how to use Enterprise Guide to perform various statistical analyses. This course will also provide an exposure to SAS JMP Genetics and Genomics.

### Faculty details

Resource persons are Scientists from ICAR Institutes and SAU's..

### Number of Eligible Participants

Twenty five participants will be selected for the training who are working not below the rank of Scientist / Asst. Professors in ICAR/ SAU's

### Travel and Accommodation

Accommodation will be provided at CTCRI Guest House in room sharing basis and wholesome meals will be provided. The participants will be paid travel fare to and fro journey by rail/ bus / public transport on production of tickets as per the entitlement restricted to AC II tier train fare.

### Applications Submission

Application form of the prescribed format ( can be downloaded from [ctcri website](http://ctcri.org) [www.ctcri.org](http://www.ctcri.org)) may be sent through proper channel so as to reach before **25 February 2011**. Advance copy may be sent by email, should be followed by duly forwarded hard copy sent to Dr.J.Sreekumar , Senior Scientist & Organizing Secretary , Central Tuber Crops Research Institute, Sreekariyam, Thiruvananthapuram- 695 017, Kerala  
For more details: visit website [www.ctcri.org](http://www.ctcri.org)

**FORMAT OF APPLICATION FORM FOR  
PARTICIPATION IN TRAINING**

**National Training on “Data Analysis Using SAS” sponsored by NAIP organized at  
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1. Full Name (in block letters) :
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7. Sex: Male/Female :
8. Teaching/research/professional experience  
(mention post held during last 5 years and number of publications)
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10. Need for this training and how it will help in your research activities:
11. Academic record

Examination passed	Subjects main/subsidiary	Year of passing	Class ranks,	University	Other information
Bachelor's degree					
Master's degree					
Doctoral degree					
Other certificates, diploma, degree, if any					

12. Level of knowledge in statistics and Programming

Signature of the applicant



13. Recommendations of forwarding Institute :

Date	Signature Designation, Address
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**Certificate**

It is certified that the information furnished above is correct. Travelling allowances will be paid / not paid by this office.

Authority with seal and Date	Signature of the sponsoring
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