Establishment : June 1961
lñdependent: 1967

Dayanand Education Society's Dayanand Science College

Latur, Maharashtra (India)<br>(UGC - CPE College)<br>(DST-FIST Sponsored College)

(Best College Award by SRTMU, Nanded)
Re-accreditated 'A' Grade (Affiliated to - Swami Ramanand Teerth Marathwada University, Nanded)

Phone No.: (02382) 221149, 222929 Fax No. : (02382) 221149
E-mail : daya_scin1@rediffmail.com
Website : www.dsclatur.org

Dr. Jaiprakash Dargad
Principal
Ramesh Biyani
Secretary
Date :
29/01/2018
To,
The Coordinator,
Dr. C S Ravikumar
Joint Science Education Panel,
Indian Academy of Sciences,
C. V. Raman Avenue, Banglore 5600080.
Email-ravi@ias.ac.in

Subject : Submission of report of workshop along with the audited expenditure statement
Reference No.:- SEP/LW/January/2019 Date:- 23 Oct. 2018.
Respected Sir,
With reference to the subject noted above we here by submitting the report of workshop along with the Audited Expenditure Statement of workshop entitled "Mathematics" helded at Dayanand Science College, Latur on $11^{\text {th }}$ to $13^{\text {th }} \mathbf{J a n}$. 2019. Please acknowledge it and issue the balance payment
Rs. Forty Five thousand Three hundred and Seventy Five only (Rs. 45375/-).
Thanking you.

R. H. Leda

Coordinator

Yours faithfully,


## Dr. J. S. Dargad Principal

## Encl:

1) Brochure and invitation card
2) Report of workshop
3) The audited expenditure statement
4) Schedule of workshop
5) List of students participated
6) Letter of attendance for participants
7) Photographic display
8) List of mentors
9) Feedback mail of Resource Person

#  <br> SEP/LW / January / 2019 

JロINT
SCIENCE
EDUCATIGN
PANEL

Indian Academy of Sciences
Murthy, M.R.N. (Chairman) Kanharem D.G. (Co-Chairman)
Arunan, E. Bachhawat, A. K. Balakrishnan, V. Chattopadhyay, Nitin Dhar, Deepak Mukunda, N. Radhakrishnan, T. P. Rangarajan, Govindan Saidapur, S.K. Sankaran, P. Satheesh, S.K. Sebastian, K. L. Sengupta, Pulak Subramaniam, Annapurni

Indian National Science Academy Chattaraj, P. K. Chaudhuri, Probal Ghosh, Amit Goswami, J.N.

## The National

Academy of Sciences, India
Dimri, V.P.
Khurana, ParamjitMisra, Gadadhar
Mittal, J.P.

Contact Address
Ravikumar, C.S.
Coordinator
Science Education
Programme
Indian Academy of
Sciences
P.B. No. 8005
C.V. Raman Avenue

Sadashivanagar P.O.
Bengaluru 560080
India

## Telephone:

91-80-2266 1210
91-80-2266 1207
Fax:
91-80-2361 6094

Dr R. H. Ladda
Ex- Principal
Bhagya Nagar
Old Ausa Road
Latur 413512

Sub: Lecture Workshop on "Mathematics" at Dayananda Science College, Latur during II-13 January 2019.

Dear Dr Ladda,
This has reference to the letter forwarding a proposal and budget for organizing a three-day Lecture Workshop at Dayananda Science College, Latur. The Joint Science Education Panel of the three Academies will be happy to sponsor and support the Lecture Workshop f We note that Prof. Sudhir R. Gorpade (IIT, Bombay, Powai) will be the workshop Convener and that you will be the Workshop Co-ordinator.
(a) Your budget of Rs. 1,81,500/- excluding travel expenses. (Resource Persons travel expenses (i) II tier A/C train fare for persons below the age of 60 (ii) air travel by Air India only for Resource Persons over the age of 60) for 150 participants has been approved by the Science Education Panel. As per the guidelines, the ideal number of participants in a Lecture Workshop should be between 100 and 125 and in any case should not exceed 150, to maximize interaction between participants and resource persons. Please note that you have to adhere to our guidelines and the approved amount is strictly following the budget heads in the guideline.
(b) Please note that only the names of Convener and Coordinator of the Workshop should be included in brochure/invitation etc. Names of members of the management, organizing committees, patrons etc should be strictly avoided.
(c) Please ensure that the expenditure on individual items does not exceed the sanctioned BUDGET HEAD. If the actual expenditure exceeds the sanctioned budget, THE HOST INSTITUTION SHOULD TAKE CARE OF THE DIFFERENCE.
(d) Lecture Workshops are sponsored and supported by the three National Science Academies IASc, INSA and NASI. The names of INDIAN ACADEMY OF SCIENCES (BENGALURU), INDIAN NATIONAL SCIENCE ACADEMY (NEW DELHI) and THE NATIONAL ACADEMY OF SCIENCES, INDIA (ALLAHABAD) should therefore be mentioned in all publicity material such as programme sheet, invitation cards, etc.
(e) It may be noted that no formal certificates should be issued to participants. A letter of attendance signed by Coordinator may be issued to those who need it.
(f) The Workshop should be called Science Academies' Lecture Workshop in "Mathematics".
(g) You should send us three copies of the printed programme cards once it is printed.
(h) We urge you to open a new bank account in the name of the lecture workshop or in the name of the principal and provide full details of the account:
I. Account No;
2. Name of the Account Holder;
3. Name of the Bank;
4. Name of the Branch;
5. IFS code for non-SBI accounts.

Alternatively, you can provide us the existing college bank account number to which we can transfer the amount.

The audited expenditure statement/utilization certificate duly signed by competent authority (CA or Financial Controller) to be sent along with the report, once the Course is over. This is required for the audit compliance. The format will be sent to you separately.

You can go ahead with organizing the Workshop in consultation with Prof. Sudhir R. Gorpade.
With regards,

> Yours sincerely,


## Dayanand Science College, Latur <br> Format for Sending Statement of Expenditure for 3 Days Lecture Workshop

3 Days Lecture Workshop In Mathematics for M.Sc. I and II year students
Dates- $11^{\text {th }}-13^{\text {th }}$ January, 2019
Total participants approved by IAS:- 150 No. actually participated - 150
(Students: 150 ; Resource Persons: 5 ; Supporting Staff: 4)

| $\begin{aligned} & \text { Sl. } \\ & \text { No. } \end{aligned}$ | Budget head / amount sanctioned (Rs) |  <br> Date | Particulars (name of payee / item) | Amount spent |
| :---: | :---: | :---: | :---: | :---: |
| 1 | Publicity: Rs $\qquad$ <br> Banner, circular, registration forms, programme cards invitation cards, letter of attendance, etc | $\begin{gathered} 1094 \\ 02.01 .2019 \\ \hline \end{gathered}$ | a. Kirti Offset Printers, Latur for Banner 10'x5' - 1 | 550.00 |
|  |  | $\begin{gathered} 1085 \\ 08.01 .19 \end{gathered}$ | b. Sayali Graphics and Printers, Latur for <br> Letter of Attendance - 150, Testimonial - 10, Invitation Card -60 \& Invitation Pocket - 60 and Broucher-35 | 2000.00 |
|  |  | $\begin{gathered} 1072 \\ 21.12 .2018 \end{gathered}$ | c. Sayali Graphics and Printers, Latur for Math Broucher with Pocket Desgin - 100 | 2200.00 |
|  |  | $\begin{gathered} 1067 \\ 07.01 .2019 \end{gathered}$ | d. Kirti Offset Printers, Latur for Disgine and Print | 550.00 |
|  |  | $\begin{gathered} 23 \\ 10 / 0 \mathrm{I} / 2019 \end{gathered}$ | e. Gajanand Gereral Stores, Latur, For Marker Pen $20 \times 25$ | 500.00 |
|  |  |  | Total | 5800.00 |
| 2 | Registration \& stationery: <br> Rs $\qquad$ <br> (Pad, pen, pencil, photostat copies etc) | 615$21 / 12 / 2018$1018$04 / 01 / 2019$38$28 / 01 / 2019$ | a. M/s Latur Genral Stores, Latur for Regu. Long Book-160, Ball Pen - 160 . | 9600.00 |
|  |  |  | b. Latur General Stoers, Latur for File | 2700.00 |
|  |  |  | c. Verma Xerox, Latur for Time-Table Xerox 160 $\times 2$, Feedback forms $1650 \times 2 \times 3$, Notes Xerox Copies $160 \times 5 \times 2$ | 2880.00 |
|  |  |  | Total | 15180.00 |
| 3 | Food: Rs $\qquad$ Breakfast, lunch, tea/coffee biscuits | 14.01.2019 | a. Jay Jagdish Caters, Latur for <br> 11-13 Jan. 2019 Breakfast \& Lunch 160 students and supporting Staff $160 \times 3 \times 200=96000$ | 96000.00 |
|  |  |  | Total | 96000.00 |
| 4 | a. Honorarium for resource persons (at Rs. 2000/- per lecture) | 13.01.2019 | a. Dr. Nitin Nitsure | 15000.00 |
|  |  | 13.01.2019 | b. Dr. Sudhir R. Ghorpade | 15000.00 |
|  | b. Honorarium for convener/co-ordinator (Rs 2500/Rs 2000) | 13.01.2019 | a. Dr. Sudhir R. Ghorpade | 2500.00 |
|  |  | 14.01.2019 | b. Shri. R. H. Ladda | 2000.00 |
|  | c. Honorarium for supporting staff (not more than 2 or 3 persons and at most Rs 2,000/-total) | 14.01.2019 | a. Dr. S. S. Bellale | 500.00 |
|  |  | 14.01.2019 | b. Shri. V. A. Naikwade | 500.00 |
|  |  | 14.01.2019 | c. Shri. Tukaram Hake | 500.00 |
|  |  | 14.01.2019 | d. Shri. Amol Kshirsagar | 500.00 |
|  |  |  | Total | 36500.00 |
| $5$ | Boarding/lodging of resource persons | $\begin{gathered} 3571 \\ 13.01 .2019 \end{gathered}$ | a. Dr. Sudhir R, Ghorpade, Arrival Date 11 Jan. 2019 and Departure Date - 13.01.2019 Room Tariff - 1600 Roon Type - AC | 6067.00 |
|  |  | $\begin{gathered} 3570 \\ 13.01 .2019 \end{gathered}$ | b. Dr. Nitin Nitsure, Arrival Date \|| Jan. 2019 and Departure Date - 13.01.2019 Room Tariff 1600 Room Type - AC | 5995.00 |
|  |  |  | Total | 12062.00 |


|  | thayef expenses for resante persons | $\begin{array}{l\|l} 17012019 & a \cdot 13 \end{array}$ |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | a. In sudher $R$ Ghopade Mhonda to Latur and Latur to Mumbat | 3071.00 |
|  |  | (0) -018 | $\begin{aligned} & \text { 6. Dr Nitin Nifsure } \\ & \text { for Mumabt to Later and Latur to Mumbat } \end{aligned}$ | 2220.60 |
|  |  |  | $\begin{aligned} & \text { D. Mugl Verma } \\ & \text { Csh bo I aur and Latu b C som } \\ & \text { Cancellation Tichets } \end{aligned}$ | 480.00 |
| * | a. Local transpunt <br> b. Miscellaneous <br> Pbotographe, postage. batteries cic. |  | Total | 3771.00 |
|  |  |  | a. Gancsh Inxi Iravcle M11-24-A1 212 | 4500.00 |
|  |  | $\begin{gathered} 755 \\ 11.01 .2019 \end{gathered}$ | b. Onsai Pushpahar Stall, Dayanand Gate, Dandi Road. Latur, Huke bond Har - | 340.60 |
|  |  | $\begin{gathered} 1198 \\ 14.01 .2019 \\ \hline \end{gathered}$ | c. Sapana Digital Photo Studio and Viden <br> Shooting. Latur Photography and Abum - 100 | 2000.00 |
|  |  | 25/12/2018 | d. Hake Tukaram, for Postage | 400.00 |
|  |  | $\begin{gathered} 26537 \\ 0901 / 2019 \end{gathered}$ | e. Uday Atomotive Services. Latur, for Petrol | 40.00 |
|  |  | $\begin{gathered} 646 \\ 1301 / 0019 \end{gathered}$ | $\begin{aligned} & \text { f. S. F. Plower Stall, Latur } \\ & \text { for Bukke - ) } \end{aligned}$ | 290.60 |
|  |  | $\begin{gathered} 3798 \\ 0401 / 2019 \\ \hline \end{gathered}$ | h. Yogeshwari Bay. Latur $3 \times 250$ For Resoucre Eerson | 750.00 |
|  |  | $\begin{gathered} 666 \\ 28 / 01 / 2019 \end{gathered}$ | g. Audit Fees | 2000.09 |
|  |  |  | Total | 10320.00 |
|  |  |  | Total: | 181633.00 |

Project Cost Amount
181500.00

1) Funds received
136125.00
2) Expenditure Amount
181633.00
3) College Share

45375.00
4) 

Amornt ta be refunded/ reimbursed (whichever is mpropiate) : Rs. 45375.00
(Ra. Fourty Five thousand Three hundred Seventy Five onty)


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Combinath


Dr.J.S. Dargad

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& \text { Oayanmm Science Cotirg. } \\
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\end{aligned}
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## Coordinator's Report

Science Academic Mathematics Workshop $11^{\text {th }}$ to $13^{\text {th }}$ Jan. 2019

The Broucher were printed and were posted to different Colleges and Universities in Maharashtra for publicity. Accordingly 180 Registration forms were received. On $11^{\text {th }}$ Jan. 2019, 153 students have registered their names. File, Register, Pen and Time-Table etc. were given to these registered participants.

There are 50 students from Rajarshi Shahu College, Latur, 10 Students from Mahatma Basweshwar College, Latur, 89 Students from Dayanand Science College, Latur, 4 students from Yogeshwari College, Ambajogai and 16 students from S.R.T.M. University and other colleges from Nanded list of students from different colleges is enclosed.


Three Rsource Persons were invited. At the $11^{\text {th }}$ hour Dr. Jugal Verma has refused to come. Hence Dr. Sudhir R. Ghorpade and Dr. Nitin Nitsure have covered all the Topics

1) Algebra, Linear Algebra 2) Mechanics, 3) Number Theory and 4) Real Analysis as per Time - Table. The abstract of their topics covered are enclosed.

As per new suggestions we have obtained the feedback forms on the topics taught of the participants are also enclosed. Students of M.Sc. Part I, Part II have participated and have shown active part by interacting with the resource persons by asking different questions. Few problems were also solved.


Hard copies of the photographs are also enclosed while Teaching the Resource Persons in the class and such other few photographs. Notes given by resource persons on certain topics are Xeroxed and circulated to all students.

In a valedictory function 5 students have expressed their views about the Three Days Workshop. Attendance letters were issued to all the students Dr. Sudhir Ghorpade and Dr. Nitin Nitsure have expressed their views about the Workshop. Principal Dr. J. S. Dargad has mentioned about the Refresher Courses and the Workshops, Inspire Camps etc during this Academic Year 2018-19 and how there were beneficial to the staff and students. Dr. S. S. Bellale Head Dept. of Maths and Vice-Principal were also present. At last I must thank to the coordinator. Ravikumar and Geetha madam for providing the funds and other necessary information on behalf of Indian Academy of Sciences Bangaluru.

n
PRINCIPAL
Dayanand Scienco College
R.H.Ladda

Coordinator

## Name and Addresses of Mentors




Mobile No. : 9892768162

E-mail Address : srg@math.iitb.ac.in


Glimpses of Science Academic Mathematics Workshop - 2019
at Dayanand Science College, Latur
Jan. 11-13, 2019


Glimpses of Science Academic Mathematics Workshop - 2019
at Dayanand Science College, Latur
Jan. 11-13, 2019


Glimpses of Science Academic Mathematics Workshop - 2019
at Dayanand Science College, Latur
Jan. 11-13, 2019




Dayanand Science College，Latur．（M．S．）
Science Academies Lecture Workshop On Mathematics
（ $11^{\text {th }}$ to $13^{\text {th }}$ January，2019）
Time－Table


