



Indian Council of Social Science Research

(Ministry of Education)

Post Box-10528, ArunaAsaf Ali Marg,

JNU Institutional Area, New Delhi, Delhi 110067

EPABX: 011-26741849-51 Fax: 91-11-26741836

www.icsr.org

F.No. CON/05/2023-24/IC

Dated: 08.08.2023

SANCTION ORDER

Subject: Payment of Rs.1,59,171/- (Rupees One Lakh Fifty Nine Thousand One Hundred Seventy One only) to Dr. Mahua Patra.

Sanction of the ICSSR is hereby accorded to the payment of Rs.1,59,171/- (Rupees One Lakh Fifty Nine Thousand One Hundred Seventy One only) Dr. Mahua Patra, Assistant Professor, Department of Sociology, Maulana Azad College, Kolkata towards reimbursement 100% of the airfare for the sector of **Kolkata-Melbourne, Australia-Kolkata** of Rs.84,554/-, visa fee of Rs.8,759/-, insurance charges of Rs.1,750/-, registration fee (US\$ 182x81.98) is equivalent of Rs.14,920/- and maintenance for 6 days (US \$100x6=600) is equivalent to Rs.49,188/- sanctioned vide in connection with her visit to participate in the **"XX ISA World Congress of Sociology"** held at Melbourne, Australia from 25 June-1 July 2023.

The amount of Rs.1,59,171/- (Rupees One Lakh Fifty Nine Thousand One Hundred Seventy One only) is debitible to Budget Head 'General (OH31)' International Collaboration assistance to scholars going abroad for Attending the Conference. **(SC Category)**.

M.P. Madhukar
DD (In-charge, IC Division)
For Member Secretary

1. Dr. Mahua Patra, Assistant Professor, Department of Sociology, Maulana Azad College, Kolkata with a request to sign the enclosed pre-receipt and affix the revenue stamp along with bank details and send it back to us as soon as possible to facilitate processing your request for payment transfer through PFMS in your account.
2. Finance Division is requested to kindly transfer an amount of Rs.1,59,171/- (Rupees One Lakh Fifty Nine Thousand One Hundred Seventy One only) in favour of Dr. Mahua Patra.

M.P. Madhukar
DD (In-charge, IC Division)
For Member Secretary

Dr. Mahua Patra,
J/5 Bonophool Sarkari Abasan

INDIAN COUNCIL OF SOCIAL SCIENCE RESEARCH

GRANT-IN-AID BILL

Ref. No. CON/05/2023-24-IC

Received a sum of Rs.1,59,171/- (Rupees One Lakh Fifty Nine Thousand One Hundred Seventy One only) from the Indian Council of Social Sciences Research, New Delhi, towards reimbursement for the participation in the International Conference abroad.

Please affix a

Revenue Stamp

Signature_____

Designation _____

Form for Registration on PFMS Portal

Type	<input type="text" value="Personal"/>	Name:	<input type="text"/>
Date of Birth (DD/MM/YYYY)	<input type="text"/>	Father/Husband Name:	<input type="text"/>
PAN No.	<input type="text"/>		
Address 1:	<input type="text"/>	Address 2:	<input type="text"/>
Address 3:	<input type="text"/>	District	<input type="text"/>
City:	<input type="text"/>	State:	<input type="text"/>
Country :	<input type="text"/>	Pin Code:	<input type="text"/>
Mobile No:	<input type="text"/>	Phone No.:	<input type="text"/>
E-mail:	<input type="text"/>		

Bank Details



सत्यमेव जयते
Govt. of West Bengal

Maulana Azad College

8, Rafi Ahmed Kidwai Road, Kolkata-700013, West Bengal, India
Phone : +91 33 2249-3737/2226-7814 Fax: +91 33 2249-3737/2226-4306
Web : www.maulanaazadcollege.in e-mail : maulanaazadcollegekolkata@gmail.com



Memo No. 409/2AC

Date: 12/09/19

To
Dr. Ashwin Dalal
Head, Diagnostics Division
Centre for DNA Fingerprinting & Diagnostics
Opp Metro Rail Pillar No -NUP -9B,
Inner Ring Road, Uppal
Hyderabad 500 039

Sir,

In response to your notification regarding Hands on workshop on Molecular testing for Genetic Disorders which is schedule to be held on and from 11th November to 15th November at your institution, i am hereby enclosing the two Demand draft of Rs -32,000/- (Thirty two thousand) and Rs 7200/- (Seven thousand two hundred only) as delegate participation fees and the accommodation charge for our four teachers of our college for your information and necessary action.

Hope that you will kindly acknowledge the same and oblige

Thanking you

Yours faithfully

Principal
Maulana Azad College

Encl:

Two Draft drawn in favour of Director CDFD
Participants Registration form (Four)

Draft No - 267150 & 267149 dt 12.09.19.

Re: Confirmation

Ashwin Dalal <ashwindalal@gmail.com>

Wed 11/09/2019 11:11

To: subir dasgupta <subirdgupta@gmail.com>

Cc: subidar@rediffmail.com <subidar@rediffmail.com>; Subhodip Samanta <subhodip.samanta@gmail.com>; AVISHEK GHOSH <ovgsh_1085@hotmail.com>

Hello Dr Subir

Thank you for the confirmation. Please send the filled application forms along with DD

They can pay the accommodation fees directly at the guest house or else you can send a separate DD in name of "Director, CDFD" by calculating amount based on Rs 300/- per person per day

Regards

Dr Ashwin Dalal
M D [Pediatrics], D M [Medical Genetics]
Head, Diagnostics Division
Centre for DNA Fingerprinting and Diagnostics
[Ministry of Science & Technology, Government of India],
Opp. Metro Rail Pillar No. NUP-9B,
Inner Ring Road, Uppal
Hyderabad – 500 039 Telangana INDIA

Adjunct Visiting Professor

Department of Medical Genetics
Kasturba Medical College, Manipal, Karnataka, INDIA

Ph. 040-27216147

email: ashwindalal@gmail.com

web page: <http://www.cdfd.org.in/labpages/ashwindalal.html>

On Tue, Sep 10, 2019 at 11:35 AM subir dasgupta <subirdgupta@gmail.com> wrote:

To

-- Dr Ashwin Dalal

M D [Pediatrics], D M [Medical Genetics]

Head, Diagnostics Division

Centre for DNA Fingerprinting and Diagnostics

[Ministry of Science & Technology, Government of India],

Opp. Metro Rail Pillar No. NUP-9B,

Inner Ring Road, Uppal

Dear Dr Dalal

In response to your mail i am enclosing the name of three teachers who will be representative participants from Mualan Azad College in your training programme schedule to be held in between 11th to 15th November 2019..

i will send you a draft of Rupees **8000x3=24000** in favour of Director within 15th September.

Please inform me the process of sending accommodation fees of your guest house for our three teachers.

Name of the Teachers

1. Dr Susanta Roy Karmakar- Deptt of Zoology // subidar@rediimail.com
Mobile no :9433565104
2. Dr Subhodip Samanta- Deptt of Chemistry// subhodip.samanta@gmail.com
Mobile no 9433160092
3. Dr Avishek Ghosh- Deptt of Microbiology // ovghsh_1085@hotmail.com
Mobile no 9432834210

Sincerely yours

Dr. S. C. Dasgupta (W.B.S.E.S.)

Professor & Head

Department of Zoology(UG & PG)

(DST-FIST Sponsored Department & DBT Star College)

Maulana Azad College, NAAC Accredited with A grade in 2016

(Center with potential for Excellence Status)

8, Rafi Ahmed Kidwai Road

Kolkata 700 013

Tel: 91-033-2226 0995(Deptt)////91-033-2226 7667 (Lab) ////0333-22493737(Off)

Fax-91-033--2226-0995(Deptt)

Mobile;91-9830471981

mail: subirdgupta@gmail.com

welcome note

molcytows@cdfd.org.in <molcytows@cdfd.org.in>

Mon 04/11/2019 12:26

To:pradhandilleswari@gmail.com <pradhandilleswari@gmail.com>;ss.lingula@gmail.com <ss.lingula@gmail.com>; joydevshaymal7@gmai.com <joydevshaymal7@gmai.com>;ushasreeboda@gmail.com <ushasreeboda@gmail.com> Cc:subidar@rediffmail.com <subidar@rediffmail.com>;subhodip.samanta@gmail.com <subhodip.samanta@gmail.com>; ovghsh_1085@hotmail.com <ovghsh_1085@hotmail.com>;chatterjeemadhuvanti@gmail.com <chatterjeemadhuvanti@gmail.com>;richagupta7@gmail.com <richagupta7@gmail.com>

Dear Delegates,

It is our immense pleasure to welcome you all to this hands-on workshop in “**Molecular testing for Genetic disorders**” which is organized by the Diagnostics division of CDFD from 11th to 15th November 2019.

CDFD has two campuses - Campus A which is the laboratory building and Campus B, the hostel/guest house building.

Address:

CDFD Residential and Hostel complex

Opposite, Uppal water tank,

Beside BSNL Telephone exchange office

Uppal, Hyderabad

Land mark: Uppal ring road Telephone: 040-27209458

The approximate distance and time taken to the Hostel/guest house and the laboratory building is as follows:

Hyderabad Deccan railway station to CDFD hostel	13 kms appx 32 minutes
Hyderabad Deccan railway station to CDFD laboratory building	12 kms appx 32 minutes
Secunderabad Railway station to CDFD hostel	9.6 kms, appx 23 minutes
Secunderabad railway station to CDFD Lab building	11 kms, appx 26 minutes
Airport to hostel	32 kms, appx 56 minutes
Airport to CDFD lab building	30 kms, appx 49 minutes
Hyderabad bus stand (MGBS) to hostel	10 kms, appx 26 minutes

Jubilee bus stand to hostel	9.3 kms, appx 20 minutes
Jubilee bus stand to CDFD lab	10 kms, appx 22 minutes

For any other queries, contact:

Mrs Angalena Ramachandran 6301932858

Dr Ashwin Dalal 9392460242

Have a safe journey.

Regards,

Mrs Angalena R

Statement of Expenditure of workshop at CDFD, Hyderabad

Duration: 10/11/2019 to 16/11/2019

Name of the Participant: **Dr. Avishek Ghosh**

A. TRAVELLING EXPENSES

SL. No.	Place	Departure		Place	Arrival		Mode of journey	Distance (Km)	Actual Fare (Rs.)	Claimed Fare (Rs.)
		Date	Time		Date	Time				
1	Home	10-11-2019	6:45 hrs	CCU	10-11-2019	7:30 hrs	Private Taxi	18	800	800
2	CCU	10-11-2019	9:10 hrs	HYD	10-11-2019	11:15 hrs	Flight (Economy Class)	1205	4261	2425 (AC 2-Tier)
3	HYD	10-11-2019	12:00 hrs	CDFD Hostel	10-11-2019	14:00 hrs	Shared Taxi	32	256	256
4	CDFD Hostel	16-11-2019	9:45 hrs	HYD	16-11-2019	11:15 hrs	Shared Taxi	33	280	280
5	HYD	16-11-2019	13:10 hrs	CCU	16-11-2019	15:05 hrs	Flight (Economy Class)	1205	4261	2425 (AC 2-Tier)
6	CCU	16-11-2019	16:00 hrs	Home	16-11-2019	17:30 hrs	Private Taxi	18	750	750
Total amount (Rs.)									10608	6936

B. Other expenses:

SL. No.	Description	Date	Amount (Rs.)
1	Dinner	10-11-2019	380
2	Dinner	13-11-2019	745
3	Dinner	14-11-2019	495
4	Lunch	15-11-2019	380
5	Lunch	16-11-2019	400
6	Snacks	16-11-2019	150
Total (Rs.)			2550

DECLARATION: The participant was entitled to get AC 2-tier fare for Express Train to & fro but due to unavailability of tickets on the specified date, flight service had to be availed. In this circumstances, the participants only claims the AC 2-tier Express train fare to & fro kolkata to hyderabad (Secunderabad) and back. The difference in the fare will be borne by the participant himself/herself. The actual fare for AC 2-tier Express Train is attached herewith.

Total Amount claimed	Rs. 9,486
-----------------------------	------------------

Signature of Claimant

Enclosure:

1. Photocopy of Participation Certificate; 2. Boarding pass of flight (original)
3. Flight Ticket; 4. Other related cash vouchers

Passed for payment Rs.

Principal
Maulana Azad College

Signature of Coordinator, DBT Star College Scheme,
Maulana Azad College



abhishek mukherjee <2007.mukherjee@gmail.com>

Fwd: 5th meeting of the Task Force to review ongoing programmes for annual review CUM Coordinators' Meet under Star College Scheme.

2 messages

subir dasgupta <subirdgupta@gmail.com>
To: abhishek mukherjee <2007.mukherjee@gmail.com>

Fri, Apr 5, 2019 at 3:05 PM

----- Forwarded message -----

From: **Garima Gupta Scientist E** <garima.g@nic.in>

Date: Mon, Apr 1, 2019 at 5:51 PM

Subject: 5th meeting of the Task Force to review ongoing programmes for annual review CUM Coordinators' Meet under Star College Scheme.

To: <ratnam_college@rediffmail.com>, <ssmb_barshi@rediffmail.com>, <agccomp@eth.net>, <gvgprincipal@gmail.com>, <nirmalacollege@rediffmail.com>, <principal@andc.du.ac.in>, <principal.ihe@gmail.com>, <acmdu1881@gmail.com>, <wadiaashok20@yahoo.com>, <principal@patkarvardecollege.edu.in>, <info@patkarvardecollege.edu.in>, <principal.kjssc@somaiya.edu>, <principal@fergusson.edu>, <rgpardeshi@yahoo.co.in>, <vetcp@rediffmail.com>, <laware_sl@yahoo.com>, <mesacscollege@gmail.com>, <birlapincipal1972@gmail.com>, <principal@ksrct.ac.in>, <principalarts@muthayammal.in>, <hicasprincipal@hindusthan.net>, <principal@gurunanakcollege.edu.in>, <dmcckaushal@gmail.com>, <info@patnawomenscollege.in>, <principal@chowgules.ac.in>, <drkmbabu@bmsce.ac.in>, <principal_iadc@indianacademy.edu.in>, <srine@rediffmail.com>, <principalshcollegecky@gmail.com>, <sgtb321@gmail.com>, <principal_mcm1892@ymail.com>, <prl@ladybrabourne.com>, <principaldducollege@gmail.com>, <samratadhikari@rediffmail.com>, <surjitgk@gmail.com>, <star.vpasc@gmail.com>, <uma.chaudhry@bcas.du.ac.in>, <sunitashailajan@gmail.com>, <subirdgupta@gmail.com>, <ronald.nazareth@gmail.com>, <nagaveni_mb@yahoo.co.in>, <snpadmadevi@psgrkc.ac.in>, <khosla30@yahoo.com>, <nazarethgeetha@gmail.com>, <unnikrishnangeeta@gmail.com>, <vinaymalik123@gmail.com>, <tthakuria67@gmail.com>, <susan@sjc.ac.in>, <greenindia2@gmail.com>, <suchetapatil27@gmail.com>, <pawardurgadinesh@gmail.com>, <saxsxc@gmail.com>, <varsha.mehra@rajguru.du.ac.in>, <rajeev@arsd.du.ac.in>, <kmvdbtstar@gmail.com>, <vaishalib.20@gmail.com>, <shubhanayak@yahoo.com>, <npanditv25@gmail.com>, <abipoosamani@gmail.com>, <lalitharam58@gmail.com>, <srmadhanshankar@gmail.com>, <njbc@rediffmail.com>, <Kalitabasistha69@gmail.com>, <valarmathi07@gmail.com>, <alcbotanyvij@gmail.com>, <vidyapatni@gmail.com>, <nageshbabur@gmail.com>, <drpatilba@gmail.com>, <sathe_sj@yahoo.com>, <yasminkhan@hotmail.com>, <anita.kanwar@ves.ac.in>, <vesasc.admin@ves.ac.in>, <gpusalkar@yahoo.com>, <moreyrashmi@gmail.com>, <vidya.avasare@gmail.com>, <mashrafbhat@skuastkashmir.ac.in>, <raj66a@gmail.com>, <drroja1167@gmail.com>, <dimbeshwar@rediffmail.com>, <tilakdigcol@rediffmail.com>

Cc: Pratyush Sinha <pratyush.sinha@gov.in>

Dear Principals/ Coordinators,

5th meeting of the Task Force to review ongoing programmes for annual review CUM Coordinators' Meet under Star College Scheme has been scheduled for 18th-20th April, 2019 at 9.30 AM at Pondicherry University, Pondicherry (U.T.) .

You are requested to prepare **2 posters** describing the progress and benefits that the Scheme has resulted in at your College.

The general points for reference that may help in preparation of the posters are as below:

- **Students:**

Name of course

- Dissertation / projects
- Visits to research institutes/industries
- Summer training

To be filled for all science courses run by participating departments (**Clearly bringing out inter-departmental activities**)

- **Faculty: (Tabulate for each participating department)**

- Name of Department
- Name of faculty
- List of internal faculty trained for skill improvement
- Awareness generation programmes / exhibitions / seminars, training programmes etc. for teachers/students of other colleges / students.

To be filled for all science courses run by participating departments (**Clearly bringing out inter-departmental activities**).

- **Guest Faculty Invited by Different Participating Departments (Tabulated manner):**

- Name
- Designation
- Host Institute
- Duration of Visit
- Topic of lecture / discussion

- **List of new:**

- Techniques
- Practical's
- Demonstrations
- Minor research projects
- Introduced by different participating departments as well as inter-departmental activities

- **Impact of DBT support (5 salient achievements)**

- Changes in Cut off % for admission
- higher enrollment in science courses (no. of seats vs filling up of seats)
- higher % of admission in PG courses

- any other relevant information

Please note that the above-mentioned points are only for reference; your description may not be restricted by the same and are free to use your imagination to be as descriptive about the Scheme being implemented at your college so as to enable the us to provide the participating colleges with vivid ideas and methods on how to improve and inculcate novelty at their colleges.

Size of posters are: 3 by 4 feet.

Kindly note that only two members per college are allowed to attend and their accommodation and travel may be reimbursed from the Star College Scheme funds. DBT shall not book/reimburse your travel/accommodation and you are requested to do so at the earliest to avoid last minute hassle. You are also requested to bring one copy of Progress report, hard copy of which should reach the undersigned by 15th April, 2019 and softcopy of which should be sent at the earliest. It is requested that the confirmation regarding the participation may be confirmed by **5th April, 2019 to enable us to make arrangements with cc: pratyush.sinha@gov.in**

Note: It is strongly advised to reach the venue one day before to put up posters. Posters shall be evaluated on the last day and thus you are requested to book your return journey accordingly. You are also requested to attend the lectures/presentations specially organised for mentoring the colleges on 18th & 19th April, 2019.

With kind regards,

Garima Gupta


--

--

Dr. S. C. Dasgupta (W.B.S.E.S.)
Professor & Head
Department of Zoology(UG & PG)
(DST-FIST Sponsored Department & DBT Star College)
Maulana Azad College, NAAC Accredited with A grade in 2016
(Center with potential for Excellence Status)
[8, Rafi Ahmed Kidwai Road](#)
[Kolkata 700 013](#)
Tel: 91-033-2226 0995(Deptt)////91-033-2226 7667 (Lab) ////0333-22493737(Off)
Fax-91-033--2226-0995(Deptt)

RECOMMENDATIONS OF TASK FORCE ON THE BASIS OF POSTER PRESENTATION

S.No.	Name of College	Grade	Recommendations
1.	Andhra Loyola College, (Autonomous), Vijayawada DOS -23.03.2016	Absent	The college did not appear for the Poster Presentation despite of invitation and several reminders. The Task Force advised that FSA may be done.
2.	Silver Jubilee Govt. College (Autonomous), Kurnool DOS- 28.03.2017	Absent	The College did not appear for the Poster presentation despite invitation. The Task Force recommended that proper justification for absence through proper channel should be sought, and if the explanation is found satisfactory the subsequent grant may be released.
3.	Govt. College for Women Gandhi Nagar, Jammu DOS 23.03.2016	Absent	The college did not appear for the Poster Presentation despite of invitations and several reminders. The Task Force advised that FSA may be done.
4.	Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir, Wadura Campus, Sopore- 193201, (Jammu Kashmir) DOS 12.07.2016	A	The progress of the college was satisfactory and Task Force recommended that subsequent grant may be released.
5.	University Maharaja College, Jaipur DOS 01.08.2016	A	The progress of the college was satisfactory and Task Force recommended that FSA may be done, before evaluation for next phase.
6.	Maulana Azad College, Kolkata DOS 25.05.2011	A	The progress of the college was satisfactory. The Task Force recommended for subsequent release of grant.
7.	Lady Brabourne college, Kolkata DOS 05.03.2018	A	The progress of the college was satisfactory. The Task Force recommended for subsequent release of grant.
8.	Kaliabor College, Kuwartol, Kaliabor (Addition) DOS 18.05.2016	B	The progress of the college was average and Task Force recommended that FSA may be done.
9.	Handique Girls College, Guwahati DOS 22.08.2014	B	The Task Force suggested the college to improve their performance in future and also recommended for subsequent release of grant.
10.	Jagannath Barooah College, Barpatra Ali, Jorhat DOS 23.03.2016	A	The progress of the college was satisfactory. The Task Force recommended for subsequent release of grant.
11.	Gargaon College, Simaluguri, Sivasagar DOS 04.07.2017	B	The Task Force suggested the college to improve their performance in future and also recommended for subsequent release of grant.
12.	Digboi College, Digboi DOS 22.05.2017	A	The progress of the college was satisfactory. The Task Force recommended for subsequent release of grant.
13.	Sualkuchi Budram Madhab Satradhikar College (SBMS), Sualkuchi, Kamrup	B	The Task Force suggested the college to improve their performance in future and also


(Dr Akhilesh Tyagi)
Chairman, Delhi University, Delhi


(Sri Arvind Duggal)
Adviser, HRD, DBT


(Dr Garima Gupta)
Programme Officer, Star College Scheme



MAULANA AZAD COLLEGE

8 Rafi Ahmed Kidwai Road, Kolkata 700013, India

DBT STAR COLLEGE ACTIVITIES (STUDENTS) - POST STAR STATUS

Presented by Prof. Subir C. Dasgupta and Dr. Avishek Mukherjee

Poster 1

About us

•Founded in the year 1926, this college is a co-educational Institute affiliated to the University of Calcutta and is under the administrative jurisdiction of the Government of West Bengal.

•NAAC Reaccreditation 2nd cycle: (2016) "A"
•Star College Scheme Initiation: 2011

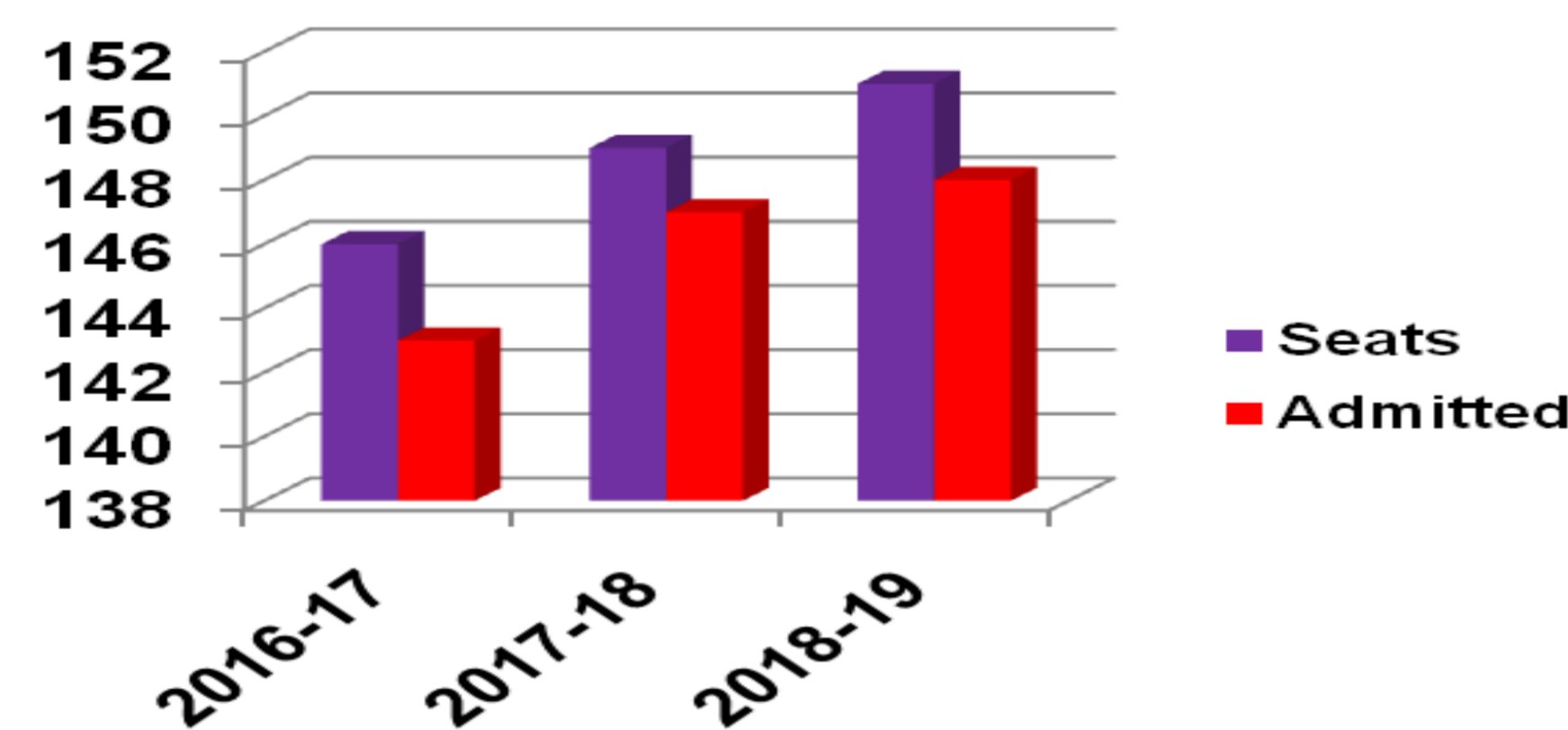
•Award of STAR College status; 2017.

•Beneficiary Departments: Botany, Chemistry, Microbiology, Physics, Zoology

Qualitative improvement from DBT support .

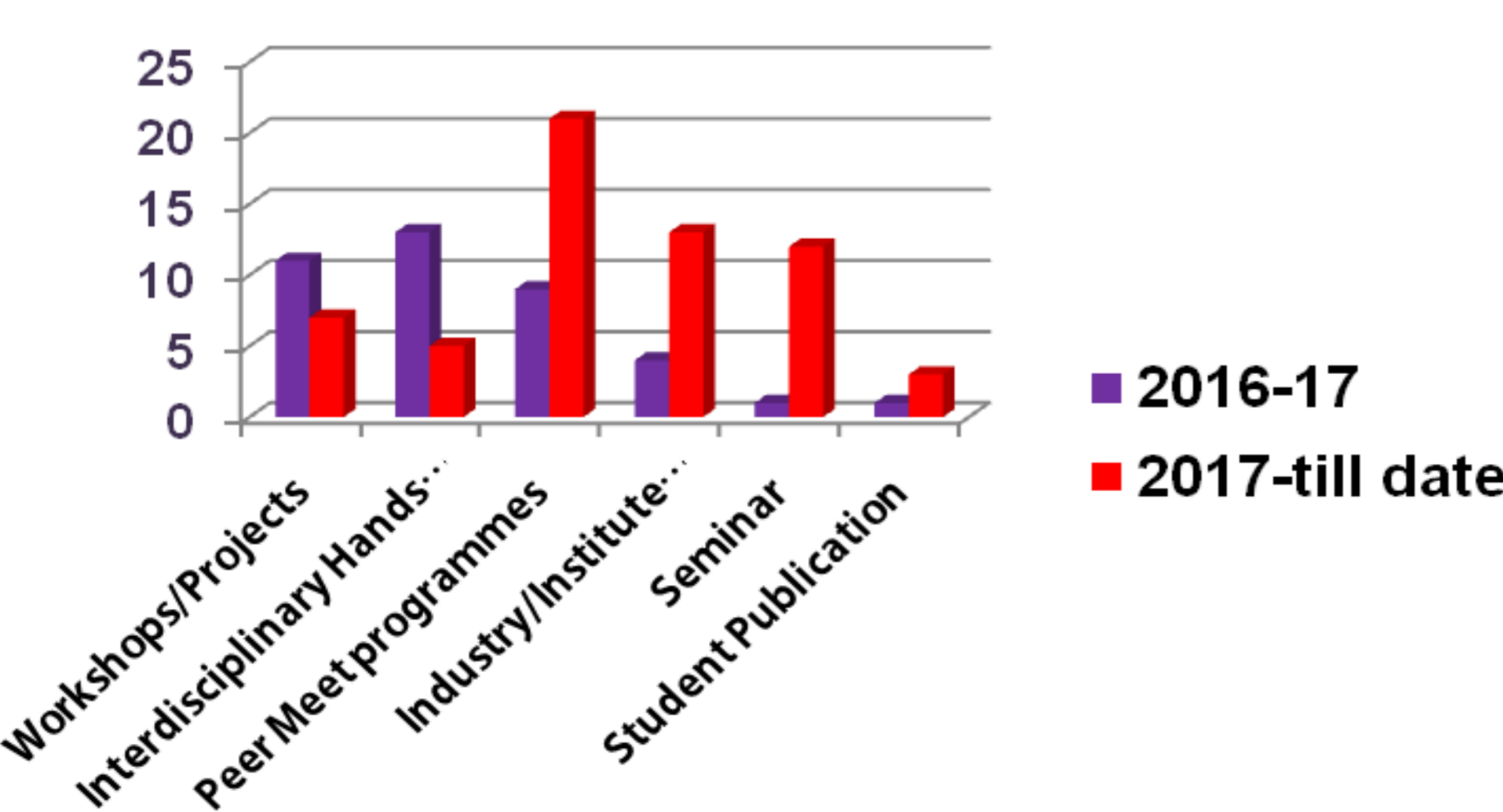
➤Acquaintance with state of the art instrumentation at research Institutes and industries has helped a lot in learning beyond their curriculum and igniting the passion for Biological research.
➤Direct interaction with eminent scientists across India have helped immensely in answering a lot of queries and concerns amongst students related to a career in Biological Research.
Students are coming up with their own ideas for research.

Enrolment profile in science subjects



Department	Cut-off for admission	No. of students admitted	Position in University	Percentage of Result	Percentage opting for higher studies
Botany	60	18	4th	90	90
Chemistry	60	35	4th	100	100
Physics	60	35	5th	100	100
Microbiology	60	20	7 th and 8 th	100	90
Zoology	60	35	5 th and 9 th	100	80

Student activities



Glimpse of new practicals/projects/Interdisciplinary workshops cum hands-on programme carried out

- Making of Heating tools for drying Macrophytic Fungi (B)
- Collection Techniques of Fungi and Algae (B).
- Dissecting Angiosperm Flowering Plants by using a Flowering Parts Mounting technique on Curtis Paper (Acid Free papers) (B)
- Structural Characterization of a polynuclear Cu(II) azido complex and its DNA interactions (C) (Interdisciplinary).
- Characterization of Organic Compounds Through TLC & FTIR (C).
- Spreadsheet Applications in Chemistry Using Microsoft Excel (C)
- Extraction of alkaloids through Column Chromatography and characterization through FTIR and UV-Vis spectroscopy (C).
- Immobilisation and Characterisation of extracellular fungal amylase produced through solid state fermentation (M).
- Production of heavy metal nanoparticles by microorganisms.(M).
- Assessment of market probiotics.(M) (Interdisciplinary).
- Discrete Fourier Transform with its Plant Cell application to Fast Fourier Transform Spectroscopy (P)
- Application of Differential Equation in Biology. (P).
- Electromechanical workshop practice.(P).
- Quadrant Sampling in Rabindra Sarovar Park Areas (Z).
- Biosorption of Dystuffs by Water Hyacinth Root and Coir pith (Z).
- Cell viability Study through Trypan Blue assay (Z)
- Demonstration of Budding in Hydra and Regeneration process of Planaria sp
- Study of Chromosome and Fluorescence staining (Z) (Interdisciplinary)



Workshop on Market probiotics With *Biofidobacterium brevis* from Nan 1



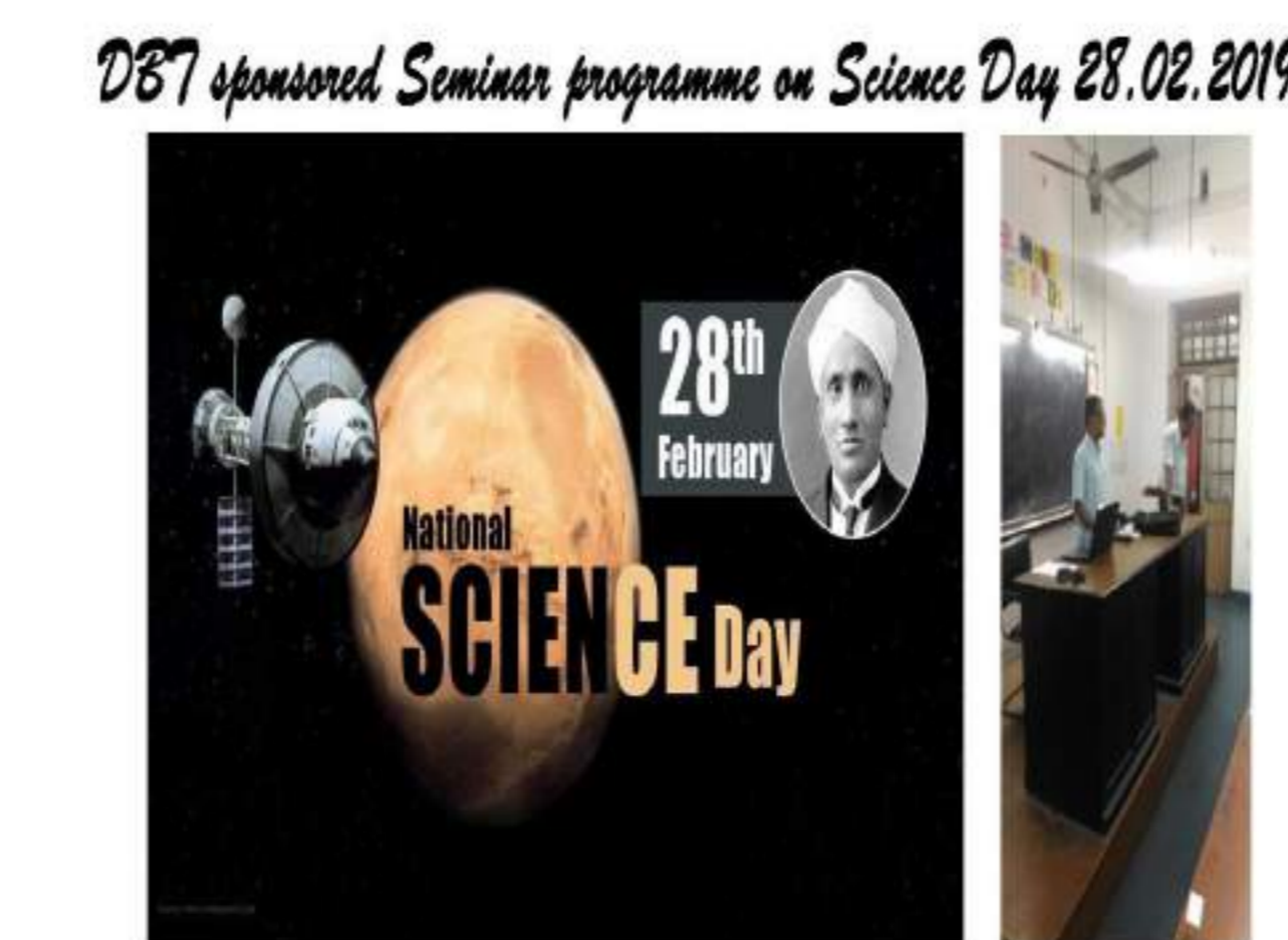
Field trip for floral biodiversity by Botany Department



Students at the Industry-Academia interface



Glimpses of student seminar and Peer meet (Prof. Ashutosh Ghosh) at the International lecture series in collaboration with Indian Chemical Society, 7th January, 2019



Peer Meet: Dr. Muktiash Acharya

Student Placement Sampler from 2018 pass out (UG)

Department	Place of enrolment In higher studies
Botany	University of Calcutta, West Bengal State University
Chemistry	Pondicherry university Rajasthan University Punjab Central University Hyderabad IIT IEST, Shibpur, IIT Dhanbad IIT Guwahati, IIT Kanpur
Microbiology	Calcutta University Pondicherry University KIIT, Bhubaneswar, IACS, Kolkata Integrated Ph.D. Hyderabad University
Physics	NIIT, Trichur, NIIT Durgapur Calcutta University, IISER, Kalyani, SNBNCBS
Zoology	University of Calcutta, West Bengal State University Christ University

Impact of DBT Support: Student publications

International Journal of Life Sciences Research
Vol. 6, Issue 3, pp: (239-248), Month: July - September 2018, Available at: www.researchpublish.com

Acute Toxicity of Hexavalent Chromium in Adult *Channa punctatus* (Bloch, 1793) with regard to changes in Erythrocytic and Leucocytic Profiles
Samudra Gupta,¹ Rajarshi Ghosh
¹Student of B.Sc. (Hons.) in Zoology
²Assistant Professor in Zoology (VIBES)
^{1,2}Department of Zoology, Maulana Azad College, Kolkata-700013, West Bengal, India

Tissue and Cell
Volume 49, Issue 2, Part B, April 2017, Pages 239-248

Sustaining immunity during starvation in bivalve mollusc: A costly affair
Elizabeth Mahapatra¹, Disha Dasgupta¹, Navodipa Bhattacharya¹, Suvrotra Mitra², Debakana Banerjee³, Sourmita Goswami¹, Nabanita Ghosh¹, Avijit Dey¹, Sudipta Chakraborty^{1,3,4,5}

¹ Parasitology and Immunology Laboratory, Department of Zoology, Maulana Azad College, 8, Rafi Ahmed Kidwai Road, Kolkata 700013, West Bengal, India
² Department of Zoology, Government General Degree College, Keshariya, Paschim Medinipur 721133, West Bengal, India

Proceedings of the Zoological Society
1-September 2018, Volume 71, Issue 3, pp 217-221 | doi.org/10.1017/S0022293318000000

Qualitative and Quantitative Evaluation of Gall Induced by *Pseudophacopteron alstonium* Yang et Li 1983 (Hemiptera: Psyllidae: Phacopterionidae) as Plant Parasite, in *Alstonia scholaris* Leaves

Authors: Sanjukta Hanna, Sitika Hazra, Abhishek Mukherjee

1. Post Graduate Department of Zoology, Maulana Azad College, Kolkata, India

Our glorious alumni (STAR scheme participants) speak

Ayon Mukherjee: Scientific Officer C, Atomic Minerals Directorate for Exploration and Research. Department of Atomic Energy, Jamshedpur
Alumnus of MAC Chemistry Department

"I was part of the two-week long Science Programme organised by Maulana Azad College Chemistry Department and sponsored by Department of Biotechnology(DBT) in 2011 where we were exposed to modern synthetic approaches. We handled modern reagents like Lawesson's Reagent in chemical synthesis of biomolecules and performed single pot multiple step synthesis. We also got to know about latest modes like Tandem reaction and role of azide chemistry in organic synthesis. Overall, it was a great learning curve for me and helped me immensely in my future endeavours. www.researchpublish.com my selection interview in RABCI"

Saptarshi Dasgupta, JRF, Simons Centre for the study of living machines, National Centre for Biological Sciences(NCBS), Tata Institute of Fundamental Research, Bangalore
Alumnus of MAC Physics Department.

"I remember having done a DBT project at the Physics Department on an approach to find the terminal velocity of a raindrop which is falling as well as coalescing/ dispersing. I had given a seminar on how the Earth's magnetic field is generated and trying to understand the fluctuations in the field. It had been a very enriching and a pleasant experience during my undergraduate ! I'm proud to have been able to do a DBT project."

Nilanjan Banerjee, SRF Biomolecular NMR and Drug Design Lab Dept. of Biophysics Bose Institute, Kolkata
Alumnus of MAC Microbiology Department

"The DBT STAR College programmes ignited the passion for Science in me. I was involved in a STAR College project on finding out the molecular basis of pesticide resistance of a certain soil bacterium which eventually got published in an indexed and peer reviewed national journal. These real life research works gave me a first hand experience of working in a research lab. The other scientific lectures and projects allowed me to move seamlessly into the world of science. I hope the programme at Maulana Azad College pushing the young brains into..."

Abhishek Chakraborty
MetaBioSys Lab, Department of Biological Sciences Indian Institute of Science Education and Research (IISER), Bhopal
Alumnus of MAC Zoology Department

"During our under-graduate studies, it was always helpful to have an exposure to the lecture sessions and hands-on-trainings conducted under DBT Star college programme. It helped to understand the basic concepts of our subject better and thus guided us to our higher studies and research life. I sincerely thank the DBT Star college for the support provided by DBT Star college

- ### Salient features of DBT support
1. Achievement of Better Physical infrastructure for beneficiary Science departments.
 2. Gradual improvement of University results of UG Student with students consistently securing ranks. .
 3. Gradual improvement of students motivation towards higher science education as reflected from student progression data.

Acknowledgement: Principal, Maulana Azad College



भारत सरकार
विज्ञान और प्रौद्योगिकी मंत्रालय
बायोटेक्नोलॉजी विभाग
ब्लॉक-2, 7वां तल, सी0 बी0 ओ0 कॉम्प्लेक्स
लोधी रोड, नई दिल्ली-110003
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY
Block-2, 7th Floor, C.G.O. Complex
Lodhi Road, New Delhi-110003

Dated: 20.08.2018

Dr. Garima Gupta
Scientist 'E'
Department of Biotechnology
Room No 509, Block 3, CGO Complex
Lodhi Road – 110003
Contact: 011-24369385
E-mail: garima.g@nic.in

Dear Principal,

You will be happy to know that Department of Biotechnology, Ministry of Science and Technology in association with Ministry of Earth Sciences is organizing the 4th India International Science Festival (IISF 2018) from **05th to 08th October 2018** at Lucknow. IISF 2018 will be hosted by Department of Bio-technology at Indira Gandhi Pratishthan, Lucknow. The festival is primarily aimed to involve the common masses to improve their scientific understanding, temperament and appreciation towards various Indian achievements in the field of Science & Technology. It provides a platform to the young scientists, students, technocrats for exchange of knowledge and ideas. IISF supports Government's flagship programs like Swachh Bharat, Digital India, Smart City, Swasth Bharat etc.

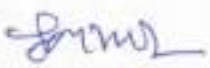
2. One of the prominent components of IISF is National Science Teacher's Congress. Nearly 500 science teachers from kindergarten (KG) to post graduate (PG) are participating in the workshop. The two day workshop is on **06th and 07th October 2018**. This platform is provided for innovative, dedicated, and passionate teachers to share their experiences and learn the innovative methods of science teaching. Many teacher practitioners will get a chance to showcase the innovative methods of science teaching based on the subject themes and ideas.

3. The workshop has many components like panel discussions on *Science Education and Role of Science Teacher* as well as *Pedagogy of Science Teaching and Learning*, plenary talks by eminent science communicators and educationist and demonstrations by selected science teachers. Since Star College is a specific scheme of the Department for undergraduate teaching, it would be an opportunity for the young teachers across the participating colleges to come in contact with each other and also to interact with reputed leaders in the field of education that shall motivate them towards learning and imparting knowledge.

From your college, Dr. Samudra Prosad Banik, Assistant Professor and Dr. Abhishek Mukherjee, Assistant Professor has been nominated for this workshop by our organizing partner institutions like Vigyan Prasar (DST), NCERT (MHRD) and Vijnana Bharati- an voluntary science movement lead by eminent scientists. Since the programme is initiated by Government of India, you are requested to depute them for this workshop to be held at Indira Gandhi Pratishthan, Lucknow.

4. To attend the Workshop, to and fro travel to Lucknow by direct-shortest route as well as frugal shared accommodation at Lucknow will be provided from 04th to 08th October 2018 at Lucknow (4 nights/5 days). The travel fare would be reimbursed on actual through bank transfer at cost not exceeding rail fare AC-III (other states) from nearest railway station to Lucknow and back. The individual be instructed to present the original ticket (railway ticket/bus ticket) at the Workshop during registration and present a signed letter along with from the Head of the Institution being deputed bringing out the nearest railway station and bank details (Name, Account no., Bank and IFSC Code) for due reimbursement.
5. Arrival and departure details for Lucknow need to be intimated to Workshop coordinators by Travel Form generated and circulated to you by email. For any query on this, please contact Mr Suraj Pandey (Mobile no. 8800687989/9643499869) OR Ms Babita Rani (8800664845). The travel plan should be informed maximum by 10th September 2018.
6. Your cooperation and support is anticipated to make this event a success.

Yours Sincerely,


(Dr. Garima Gupta)
Convener-IISF-2018

To,
The Principal,
Maulana Azad College
8, Rafi Ahmed Kidwai Rd,
Taltala, Kolkata,
West Bengal 700013

CC to:

1. Dr. Samudra Prosad Banik, Assistant Professor, Maulana Azad College, Kolkata
2. Dr. Abhishek Mukherjee, Assistant Professor, Maulana Azad College, Kolkata



R.J. Trade-wings (Private Ltd.)

Room No. 205C, Newman Center,
1 British Indian, Street, Kolkata -700069
Tel : 40070777 / 22482298 / 22104370
Email: calcutta@twlforex.com

GSTIN : 19AABCR1467J1Z5 and CIN No. : U63040GA1997PTC002480
Subject To Delhi Jurisdiction

TAX INVOICE

M/s, **PRINCIPAL MAULANA AZAD COLLAGE**
DBT STAR COLLAGE PROGRAM IISF MEET 2018
8, Rafi Ahmed Kidwai Road
KOLKATA 700013

Inv No. : **A0000204**
Date : 31/07/2018
Due Date : 31/07/2018

GST No.

Your account has been debited as per detail here under :

Ticket No.	Passenger Name	SAC Code	Sector(s)	Flight Details	Travel Date	Basic	YQ	K3 Tax	Tax	Total
789IY8H6F0000	SAMUDRA PROSAD BANIK	998551	CCU LKO	6E 844 E	06/10/2018	6,034.00			2,600.0	8,634.00
		998551	LKO CCU	6E 866 E	07/10/2018					
789IY8H6F0001	ABHISHEK MUKHERJEE	998551	CCU LKO	6E 844 E	06/10/2018	6,034.00			2,600.0	8,634.00
		998551	LKO CCU	6E 866 E	07/10/2018					

Add: CGST @ 9% 108.00
Add: SGST @ 9% 108.00

Note : Taxable amount Rs. 1200.00 for GST

Rs. **SEVENTEEN THOUSAND FOUR HUNDRED EIGHTY-FOUR ONLY**

Net Total : 17484.00

E. & O.E. Terms & Conditions :

FOR R. J. TRADE WINGS PVT. LTD.

- * **CASH** : Payment to be made to the cashier & official receipt must be obtained.
- * **CHEQUE** : All cheques/demand drafts in payment of bill must be crossed "A/c Payee Only" and drawn in favour of "**R J TRADE WINGS PVT. LTD.**"
- * **LATE PAYMENT** : Interest @ 24% per annum will be charged on all outstanding bills after due date.
- * **VERY IMP** : Kindly check all details carefully to avoid un-necessary complications.
- * **GST No.:** 19AABCR1467J1Z5
- * **Subject to Kolkata Jurisdiction.**

Authorized Signatory

*This is a computer generated Invoice Signature Not required.

Visit to IISF, 2018 Lucknow

Dr. Avishek Mukherjee, Assistant Professor, Department of Zoology, Maulana Azad College, Dr. Samudra Prosad Banik, Assistant Professor, Department of Microbiology, Maulana Azad College

We felt ecstatic and honoured at the same time when we heard our selection news to represent DBT STAR Maulana Azad College at the IISF, 2018 in Lucknow. It was a result of more than five years of hard work and perseverance of the students and faculty members of the five beneficiary departments under the able guidance of our Co-ordinator Prof. Subir C. Dasgupta that this coveted STAR status was finally bestowed on us, being the sole recipient from the entire Eastern India. Although the event had started from the 5th of October, our participation was scheduled on the 6th and 7th as delegates of DBT STAR COLLEGE in the Teachers' Science Congress. At the airport we met three delegates representing DPS Ruby park School, Kolkata who were also travelling to Lucknow for the same purpose. We arrived at Lucknow early morning on the 6th after a painfully sleepless night at the Kolkata Airport with an almost deserted and shivering lounge where we tried to keep ourselves awake with coffee but discovered instead that the air conditioning did a better job. It was a nicely sunny and pleasant morning at Lucknow with hoardings and banners greeting delegates at IISF through the entire stretch of our drive from the Amausi Airport. After some initial hassle in getting our reservation and eventually managing to get a place through the intervention of the organizing committee, we finally landed up at Hotel Shiva Grand, Gomtinagar, luckily not far from the venue (Indira Gandhi Pratisthan). It took some while to shake off the sleepless night's fatigue and get refreshed at the hotel before we were again at the venue. Right from the word go, it seemed that it was an event of its kind, with hundreds of enthusiasts spanning the entire academia, students, teachers, scientists, all together, getting inside through the security bottleneck. The entrance was as gorgeous as it could be with visual extravaganza of colourful flags and Chinese lanterns all over the place. Before we could have indulged ourselves in taking selfies amidst this vivid landscape, we realised that there was already a longish queue at the registration desk with goodies seemingly on the verge of exhaustion. Instinct made us rush to the queue and we managed to lay our hands onto an attractive laptop bag as registration kit along with a barcoded ID card. The Pratisthan was themed on the solar system with auditoriums having their names owing from planets and satellites. Each entrance had a computerised access point where our ID cards were scanned before getting inside. Parallel sessions were running across all the auditoriums and depending on the status of registration, delegates were allowed access. We, as STAR college faculty members, were delighted to find that we had access to all sessions. Being utterly confused where to start with, we accidentally landed up inside Mars; rightly so, because the Teachers' Science Congress had just started and Dr. Garima Gupta was on the dias with her welcome address on behalf of DBT. During her brief talk, Dr. Gupta narrated the programme schedule briefly where we got to learn that we were to participate in the college teachers' interactive meet which was to be chaired by none other than Prof. Harish Chandra Verma, the author of our childhood nightmare physics book, a legend in himself. After a brief tea session, we got inside the Moon conference room where the college teachers' meet was scheduled. Already

sitting at the middle of the round table, was this short statured old man with a vibrant red and blue t-shirt barely noticeable due to innumerable fans around. The session was primarily meant for discussing the Higher Education policies already prevailing and newly implemented in our country. Prof. Verma stressed upon the need of a thought centric education rather than only knowledge centric one. Echoing his voices were most of the other science teachers. A delegate from Maharashtra rightly stressed the need of a module devoted towards mathematics in biology in the newly implemented CBCS system. We presented the progress of our college under the DBT STAR status and also exclaimed how we motivate UG students to develop a research aptitude in them from the very beginning. We also asked for support towards maintenance of instruments purchased from the STAR College Grant and were assured that this matter will be raised before the proper authority. All of us unequivocally raised our concerns towards the introduction of the CBCS system and opined that since its execution was eating up valuable study time, the system was going to affect the academic quality of students in the long run. The session was thoroughly absorbing and over two hours was spent in a breeze. We later got appreciation mails from the organizing committee regarding the success of that session. We also learnt later that the other two meets comprising of secondary and higher secondary school teachers were equally charming. After a full-fledged vegetarian lunch, we got a breather at the fag end of the day and decided to tour one of the most famous residential monuments of the country, Residency, at Qaiserbagh, about half an hour autoride from the venue. Originally constructed by Nawab Sadaat Ali Khan II between 1780 and 1800 AD for the British Resident General, it was subject to the Siege of Lucknow during the Great Rebellion of 1857. Although mostly in its ruins, this imposing structure still was enough to give us Goosebump moments of our freedom struggle.