

Government of Matteresistes

Ismail Yusuf College



ORGANIZES

ONE DAY HANDS ON TRAINING WORKSHOP FOR SOPHISTICATED RESEARCH INSTRUMENTS

Date: 19 March 2024 | Time: 9 AM To 6 PM



(QR For Registration)

Registration is FREE!

Seize this opportunity to elevate your research capabilities. Limited seats available, so register now to secure your spot!

To register, visit Q

https://docs.google.com/forms/d/1PwbaYRNVXgv9cWuQg-jrclpmvFHxyk3URSTCmbHrrig/edit

Creativing Strengtary

Treasurer

Shri Ashish Bhaina

Shri Shardendu k Tripathi

ISMAIL YUSU

EMOISIOIO76IN IVR:697701510107 SP JUGESHWARI WEST SO (400102) Counter No:1.12/01/2024.14:48 To:THE DIRECTOR.TOSM UNIT OF CSI PIN:110012, IARI SO From:THE PRINCIP.ISMAIL YUSUF COL Wt:75ops Ant:70.80(Cash)Tax:10.80 (Irack on www.indiapost.opy.in)

MMERCE

Tel. No. (Office) 022-28352881 28202188

principaliyc@yahoo.co.in

Fax (Principal) 022-

Outward No .: 74 (2024 94

Date: 11/1/2024

To,
THE DIRECTOR
TGSM UNIT OF CSIR-HRDG
COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
HUMAN RESOURCE DEVELOPMENT GROUP
CSIR COMPLEX, OPP INSTITUTE OF HOTEL MANAGEMENT

LIBRARY AVENUE, PUSA, NEW DELHI- 110012, INDIA

Sub: Request to avail the grants for organizing a one day workshop:

One day Hands on Training for Sophisticated Research Instruments.

Scheduled on 19/3/24 From 9am to 6 pm.

Respected Sir

The college is interested in organizing a one day workshop on the above mentioned topic. The available resources in this college will be used during the workshop. However there is a paucity of funds to meet the other expenses that will be incurred for organizing this event. So, the convener and the organizing secretary are advised to seek the funding from your agency. The application in your prescribed format, program details and other requisite documents are enclosed herewith for your perusal and recommendation. Kindly sanction this proposal.

of the Institute

PRINCIPAL
Government of Maharashtra's
Ismail Yusuf College
Arts, Science & Commarco,
Jogeshwari (East), Murnbai - 400 069.

Form CSIR/SYM/19/SUM



COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
HUMAN RESOURCE DEVELOPMENT GROUP
CSIR COMPLEX, OPP INSTITUTE OF HOTEL MANAGEMENT
LIBRARY AVENUE, PUSA, NEW DELHI- 110012, INDIA
Email: tgsm[at]csirhrdg[dot]res[dot]in
Phone:011-25841037

Symposia Grant Scheme for Organising Scientific Events (Symposia/ Seminars / Conferences/ workshops, etc. within India

SUMMARY SHEET (TO BE FILLED IN BY THE ORGANIZERS)

1.	Name of the Society/Academic Institution/Research Organization under whose auspices the
2.	Scientific Event (Symposium/Seminar/Conference/Workshop/others) is proposed to be organized: <u>Government of Maharashtra's, Ismail Yusuf College, Jogeshwari, Mumbai-400060</u> a) Full title of the Scientific Activity: <u>One day Hands on Training workshop for sophisticated Research Instruments</u>
	Research first unients
3	b) Nature of the Scientific Event: Regional National International Venue : Ismail Yusuf College, Jogeshwari. City : Mumbai
4	Dates (DD/MM/YY): From 19 / 03/2024 to 19 / 03/2024
5	Name and affiliation of the organizers a) Chairperson: Dr Ketaki Ketan Patankar, Associate Prof., I. Y. College, Mumbai b) Organizing Secretary: Shri Ashish Bhaina, Assistant Prof., I. Y. College, Mumbai
6	No. Of delegates expected: Nos. 100
0	Anticipated expenditure (Total) : Rs 73,000/-
8	Expected income from all sources: Rs. 30,000/- Grant requested from CSIR: Rs. 43,000/-
10	Attachments with the Application (Mandatory):
	a. Application proforma no CSIR/SYM/19/MAIN complete in all respects, duly signed by authorised signatory with the official seal
	b. Authority letter from the Society/Academic Institution/Research Organization for organizing the scientific activity.
PS.	c. Copy of the Audited Statement of expenditure/Utilisation certificate of the last grant received from CSIR, if any:
	d. Brochure of the proposed scientific activity
	Signature of Organizing Secretary
Ohe	TO BE FILLED BY CSIR COMMITTEE EXPERT servations:
Rec	ommendation of Expert: Regret/Deferred/Approved Rs
	Signature of Expert

Form-CSIR/SYM/19/MAIN



COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH HUMAN RESOURCE DEVELOPMENT GROUP CSIR COMPLEX, OPP INSTITUTE OF HOTEL MANAGEMENT LIBRARY AVENUE, PUSA, NEW DELHI- 110012, INDIA Email: tgsm[at]csirhrdg[dot]res[dot]in Phone:0112584107

Symposia Grant Scheme for Organising Scientific Events (Symposia/ Seminars / Conferences/ workshops, etc. within India

S. No		n (Pl tick mark √):	Rolling Barrier		A Principal
	. Institution/scientifi	c organization		Mark √	
i.	Govt. Organization				
ii.	Central University				
iii.	State University				
iv.	Deemed University		1437 1641		
V.	State Govt College		V		est at all
vi.	Private College				
vii.	Autonomous Body				
viii.	Research Institute				123
ix.	Professional Body				
X.	Registered Society		148 F 14 19		100 P
xi.	Public Sector Under	taking			PATE AL
xii.	Others (Pl Specify)				The same of
umen	nts	fic Event Falls under (I	Pl tick mark √ a		
-	_ venemical sciences	□ ville sciences	_ rugineering	_ Mathematic	ai sciences
[
]	☐ √Physical Sciences	☐ Earth Environmen	t, Ocean and At	mospheric Scien	ices Medica

	Chairperson: Dr. Ketaki Ketan Patar						
	Organizing Secretary: Shri Ashish Bl	haina					
f) Complete Address of the <u>contact person for all Communications:</u> Name: Dr Ms Ketaki Ketan Patankar							
					Addre	ss <u>Ismail Yusuf College, Jogeshwari</u>	East
						ar Nagar, Station Road, Jogeshwari E	astCity Mumbai
					and the second second	<u>Iaharashtra</u>	
						Contact no with STD code	
Mobile	9890693356	e-mail <u>ketakiketan@gmail.com</u>					
2. Mh	on was an activity on the similantani						
	in was an activity on the similar topic	c organized by you last: <u>Not Organized</u>					
<u>Ap</u>	pendix-2						
App 5. a) Ro Thi scie biol rese	pendix-2 elevance in the national context (Atta s workshop aims to bring the various nce to come together and develop sk ogical matter for structural investiga	ach separate sheet, if required): s young researchers working in different areas of ma ills to characterise their own physical, chemical and					
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App 5. a) Ro Thi scie biol rese eequ b) 6. a) Ir scientin i. ii:	elevance in the national context (Attas workshop aims to bring the various nee to come together and develop sk ogical matter for structural investigal earch scholars to finding avenues for aipments. How will the activity help in the profit of the content of th	ach separate sheet, if required): s young researchers working in different areas of matills to characterise their own physical, chemical and tions. This will inturn provide opportunities to the year their career as operating personnel for various motion of science (Attach separate sheet, if required) a participants aware about the working principles of the mean to operate it and help them to analyse the data arch work. An unique opportunity to know the differences/institutions are engaged in the main theme of the Theme Area/Technical Session SEM facility XRD facility					

8. a) Details of Participation:

	Total de	legates		
Nation	al	40	Nos	Ph
Intern	ational	0	Nos	D-

Young Scientist	s	
Ph.D.Students/Res. fellows	_50	Nos
Post Docs	10	Nos

b) Principal speakers (Keynote/Plenary and Invited)

S.No.	Name	Institution
i.	Dr Somdatta Kaushik	UGC-DAE-CSR, Mumbai
ii.	Dr. Himal Bhatt	BARC, Mumbai
ii.	Dr Shabhana Khan	BARC, Mumbai

9. Details of Yo	ung Scientist sessions, if	any: 🛛 Oral	≥ Poster (Tick as applicable):
10. Indicate Ho	w many delegates will be	offered suppor	rt (Approx. Nos.): 100
Travel	Registration 50		Local Hospitality: 100

11. Anticipated expenditure under the following heads:

S No.		Amount (Rs)
i.	Travel support	3000/-
	a. Senior scientists:	
	b. Young Scientists:	
ii.	Registration Fee Waiver	10000/-:
	a. Senior scientists:	@50x200/-
	b. Young Scientists:	
iii.	Promotion (web site, brochures, stationary, proceedings)	10000
iv.	Secretarial assistance	10000
v.	Local Hospitality	30000
vi.	Venue Charges	10000
	TOTAL	73000/-

12 .Anticipated income:

S No	Details	Amount (Rs)
i.	Registration fee	10000/-
ii.	Scientific Exhibition	10000/-
iii.	Grant from the organizing society/Institution/ Organisation	10000/-
v.	Sponsorship	Nil
v.	Any other Source	Nil
	TOTA	30000/-

13. Estimated Head-wise Grant requested from CSIR:

S. No.	Budget Head	Amount (Rs)
i	Travel expenses for a.	3000/-
	Senior scientists: b.	
	Young Scientists:	
Ii	Registration Fee Waiver	10000/-
	a. Senior scientists:	
	b. Young Scientists:	
Iii	Promotion (web site, brochures, Stationery, proceedings)	10000/-
Iv	Secretarial assistance	10000/-
V	Local Hospitality	10000/-
vi	Venue Charges	Nil
. 168	TOTAL	43000/-

14. Details of other R&D Organizations/agencies approached for sponsoring the proposed activity: nil

S. No.	Name of the agency/ R&D organization	Grant requested	Grant received	Grant expected
i.			5.30	
ii.				
iii.		3 1		

15. a) Have you received any grant from CSIR during the last 3 years. If yes, give details. No

S. No.	Amount (Rs)	CSIR Grant No	Conference Title and period	Whether audited statement of expenditure/UC has been submitted?
i.				
ii.			SELECTIVE ACCOUNT	
		公司指决 主动 联队	JUNEAU TRANSPORT	

- b) Copy of the audited statement of expenditure/utilization certificate of the LAST GRANT RECEIVED FROM THE CSIR must be enclosed. (Current application will be considered only if the above documents on all previous grants have been received by the CSIR HRDG)
- 16. State the name of the Authority (Director, registrar, Dean or any other designated authority) of society/Institution/organization to whom the grant can be released. (Please note that the grant cannot be released to an individual's account): Principal, Ismail Yusuf College, Jogeshwari
- 17. Any other information, which you may like to add: No

In not more than 200 words			

We further declare that the information furnished above is correct and that we have submitted all UCs/Audited statement of expenditure for the support availed from CSIR under this Scheme in the past.

18. Signatures with Seal:

Organising Secretary:

Chairperson of Organising Committee

Organisation

Head of the Institution

Signature

Government of Maharashtra's Ismail Yusu! College Arts. Science & Commerce. Jogeshwari (East), Mumbai - 400 069.

PRINCIPAL

Name Prot Dr Vijay Narkhede Mob No. 9930 151586

Email ID principal iyee rediffemoil.

Seal / Stamp

Name: Mr. Ashish Bhaing Mob No. 7572816151

Email ashish-bhaira @ anoul lom

Seal / Starrip

Name De Ketaki Potonkal Mob 9890693356 Email ID Ketaki Keton

@gmail.com Seal / Stamp

Head of Physics Department

Government of Maharashtra's Ismail Yusuf Callage of

Arts, Science & Co.

Jogeshwari (East) Total



Appendix I

Theme of the Workshop

Theme:

Research in Material Science requires usage of sophisticated instruments and their related softwares. Handling of these research level equipments and understanding their soft wares is very much essential to the research scholars, who are engaged in exploring the areas of experimental research especially in material science. The instrumental details are required to be known for proper and safe handling. These in fact cannot be better understood unless one gets familiarized with the different parts and their working techniques. Moreover, the recorded data from the instrument requires further analysis using related softwares. The data has to be refined and analyzed for proper interpretation of the results. One has to also get familiarized with the precautionary measures to be taken and preliminary adjustments to be done to minimize the errors while recording the data.

Our college has already purchased the equipments like X-ray Diffractometer, Infrared Spectroscopy, Battery tester, Atomic Absorption Spectrometer, Nuclear magnetic resonance instrument and other. These equipments are the basic tools for material scientist to tailor the material for a specific application. So, there is an urgent need to train our young research scholars in handling them properly and to develop the skills of technician amongst them. They can become experts in recording, verifying and then analyzing their own research data. This will further help them to understand the basic structure and then to design their own research sample so as to suit a specific application. Sometimes it may even lead to a novel application in different areas of science and technology. The awareness and then familiarization with further practice may even help the beneficiaries to get employment in different R & D sectors in India as well as abroad.

In the above view, the research and sophisticated instrumentation care committee of Ismail Yusuf College has decided to organize this workshop.

Participants: Research scholars and teachers pursuing Ph.D, research guides, post doctorial fellows working in different colleges, universities and R & D laboratories in India.



Appendix 2

Detailed Program

Date: 19/03/24

Registration from 9 am to 10 am

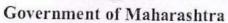
Time	Session	Theme	Resource person	
10:00 am to 10: 30 am	I	Inaugration, Felicitation and Welcoming the Resource persons	Scientists from UGC-DAE, BARC, Mumbai	
10: 30 am to 11:	11	Key note address	VC of Homi Bhabha State University	
	Coffee	e/ Tea Break		
12: 00 noon to 1: 30 pm	III	X-Ray diffraction and Reitveld analysis	Dr. S. D. Kaushik Scientist from UGC-DAE, BARC	
	Chair Perso	on : Dr Amit Saraf	Coultry del	
	Lur	nch Break		
1:30 pm to 2: 30pm	IV	Infrared Spectroscopy	Dr Himal Bhatt	
	Dr. Susha	ma Ambardekar		
2: 30 pm to 4 pm	V	Scanning Electron Microscope	Engineer from Company and Dr Shabhana Khan	
	Chairperson: 1	Mr Sharendru Tripati		
	Coffe	e/Tea Break		
4:30 to 5: 30 pm	VI	Valedictory function	Feedback from participants and Vote of Thanks by Organizing Secretary	

Convener : Dr Ketaki Patankar

Organizing Secretary: Shri Asish Bhaina

Organizers: Dr Sushama Ambadekar Dr Amit Saraf Dr Swati Phadke Smt. Darakshan Shaikh Shri Nitin Shelke Dr Rajesh Thakre Dr.Ulka Adhe Dr Dattatraya Bhangare Dr Archana Rangari and Shri S. K. Triphati.

Advisory Committee Members: Dr Arvind Luhar, Dr Anil Chougule, Smt Pratiksha Phadnis, Dr. Anjali Altekar and Dr Ritesh Singhal.



ISMAIL YUSUF COLLEGE OF ARTS, SCIENCE AND COMMERCE NAAC 'A' Grade

Jogeshwari (East), Mumbai 400 060

Tel. No. (Office) 022-28352881 28202188

principaliyc@yahoo.co.in

Fax (Principal) 022-

Announcement

Government of Maharashtra's Ismail Yusuf College, Jogeshwari is organizing "One day Hand on Training workshop for sophisticated Research Instruments". The aim of the workshop is to create awareness and make the participants familiarize with the different sophisticated available at our college. The workshop is scheduled on 19/03/24 from 9am to 6pm. We take this opportunity to invite all the research scholars, faculty members, Ph.D students and Post doctorial students studying/working at different educational institutes in India. However registration will remain mandatory for attending the workshop.

Registration Link: https://forms.gle/BA84W3n2FnQB3nyr9

Registration deadline: 20/2/24

Registration fees*: 200/-

(It includes attendance to all technical sessions, working lunch and tea)

Fee Payment: - Account No. :007910500 17992 IFSC code 0000079

00791050017992

HDFC 0000079

Convener

Organizing Secretary

PRINCIPAL Government of Maharashtra's Ismail Yusuf College Arts, Science & Commerce, Jogeshwari (East), Mumbai - 400 063.

Enclosure: Details of the Program

& organizing team



Appendix 2

Detailed Program

Date: 19/03/24

Registration from 9 am to 10 am

Time	Session		Theme	Resource person
10:00 am to 10: 30 am	I		Inaugration, Felicitation and Welcoming the Resource persons	Scientists from UGC-DAE, BARC, Mumbai
10: 30 am to 11: 30	II		Key note address	VC of Homi Bhabha State University
	C	offee/ Te	ea Break	
12: 00 noon to 1: 30 pm	Ш		X-Ray diffraction and Reitveld analysis	Dr. S. D. Kaushik Scientist from UGC-DAE, BARC
	Chair F	erson :	Dr Amit Saraf	
		Lunch	Break	
1:30 pm to 2: 30pm	IV		Infrared Spectroscopy	Dr Himal Bhatt
	Dr. S	ushama .	Ambardekar	
2: 30 pm to 4 pm	V		Scanning Electron Microscope	Engineer from Company and Dr Shabhana Khan
	Chairperso	n : Mr S	Sharendru Tripati	
			a Break	GENILLI PALES
4:30 to 5: 30 pm	VI	-	Valedictory function	Feedback from participants and Vote of Thanks by Organizing Secretary

Convener : Dr Ketaki Patankar

Organizing Secretary: Shri Asish Bhaina

Organizers: Dr Sushama Ambadekar Dr Amit Saraf Dr Swati Phadke Smt. Darakshan Shaikh Shri Nitin Shelke Dr Rajesh Thakre Dr.Ulka Adhe Dr Dattatraya Bhangare Dr Archana Rangari and Shri S. K. Triphati.

Advisory Committee Members: Dr Arvind Luhar, Dr Anil Chougule, Smt Pratiksha Phadnis, Dr. Anjali Altekar and Dr Ritesh Singhal.

Government of Maharashtra

ISMAIL YUSUF COLLEGE OF ARTS, SCIENCE AND COMMERCE NAAC 'A' Grade

Jogeshwari (East), Mumbai 400 060

Tel. No. (Office) 022-28352881 28202188 principaliyc@rediffmail.com

Fax (Principal) 022-

Date: 11/1/24

Approval Letter

I give my approval to Dr Ketaki K Patankar, Associate Professor and Head and Shri Ashish Bhaina Assistant Professor of Department of Physics of our college to work as Chairperson and Organizing secretary to organize the "One Day Hands on Training Workshop for Sophisticated Research Instruments. I also assure that the available resources in the college for organizing this event will be made available to them. The college office will produce the Utilization certificate and Statement of Expenditure to the funding agency on receipt of the requested funds from CSIR and after the completion of the program.



Head of the Institute

(Seal and Stamp)

PRINCIPAL
Government of Maharashtra's
Ismail Yusuf College
Arts, Science & Commerce,
Jogeshwari (East), Mumbai - 400 069.



principaliyc@rediffmail.com

mobile 9987141391

Date: 05/03/2024

IYC/2024/497

To.

The Senior Principal Scientist HRDG, CSIR, New Delhi.

Subject: Acceptance of sanctioned grant of Rs 20,000/-

Ref: Your letter SYM/12403/23-HRD Dtd. 4th March 2024.

Respected Sir

We hereby inform you that we are willing to accept the financial support of Rs 20000/- sanctioned for the workshop to be organized by our college. We also declare that the amount will be utilised specifically for the purpose for which it is sanctioned. So, kindly send the amount to the following account.

Account details

IFSC code: SBIN0001861

Account no.: 36922050877

The audited UC along with details of statement of expenditure will be sent to you soon after the completion of the workshop.

Thanking you.

Organising Secretary Shri. Ashish Bhaina

Assistant Professor, Department of Physics

Prof. Dr.Vijay Narkhede

Government of Maharashtra's a Ismail Yusus College of

Arts, Science & Commerce.
Jegeshwari (East), Mumbar - 400 060.



COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH

Human Resource Development Group CSIR Complex, Library Avenue, Pusa, New Delhi 110 012 Tel: 011 2584 1037

web http://csirhrdg res in

Dhirendra Bansal Senior Principal Scientist

> Ref No. SYM/12403/23-HRD March 04, 2024

Dr Ketaki Ketan Patankar Associate Professor & Head Dept. of Physics Ismail Yusuf College Jogeshwari East, Natwar Nagar Station Road, Mumbai, Maharashtra-400 060

SUBJECT: One Day Hands on Training Workshop for Sophisticated Research Instruments during Mar 19-19,2024 at Ismail Yusuf College, Mumbai

Dear Dr Patankar

With reference to your application on the above subject, we are happy to inform you that Director General, CSIR has been pleased to sanction a grant of Rs.20000/- (Rupees Twenty Thousand Only) subject to the following conditions:

- The grant received from CSIR should be duly acknowledged by email along with a certificate that the grant would be specifically utilized for the purpose for which it has been sanctioned.
- 2. The grant may be reimbursed within four months from the date of Conference/Seminar/Workshop etc. is over by filling-in the Grant-in-Aid Bill Form in duplicate duly signed and rubber stamped by the concerned officials, indicating clearly the designation of the official along with Audited Statement of Expenditure for release of grant. Current Proforma for Grant-in-aid bill, Audited Statement of Expenditure and NEFT are available on our website http://csirhrdg.res.in/Home/Index/1/InPage/53/14. If any Utilization Certificates of Previous Grant for symposia (as per Col.No. 15 of the Application Performa) is not submitted till date, please attach copies of Utilization Certificates also. Any claim received beyond 4 months will be entertained only in exceptional cases subject to submission of reasons for delay, duly forwarded through Head of the Organization. In no case, the claim will be entertained after 6 months. All the pages of above documents should be self attested by the organizer.
- Invitation cards should be sent to the Director General, CSIR and Head, HRDG, CSIR may nominate
 three scientists for the above event and registration fee should not be charged from them. In case of
 nomination, the Head, HRDG or the undersigned would issue a letter with a copy to the nominee(s).
- Softcopy (preferably in Pen Drive/CD/ DVD in PDF format) of the full paper proceedings of above event should be sent to the undersigned.
- 5. An overall activity report by the Convener / Organizing Secretary should be made available to us with regard to outcome of the gathering, the recommendations and plan of action for future. The names, addresses & email IDs of the participants / delegates should also be sent immediately after the event.

Yours sincerely,

(Dhirendra Bansal)

Copy to: Audit (EMR) HRDG



COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH

Human Resource Development Group
CSIR Complex, Library Avenue, Pusa, New Delhi 110 012
Tel: 011 2584 1037
web http://csirnrdg.res.in

Dhirendra Bansal Senior Principal Scientist

> Ref No SYM/12403/23-HRD March 04 2024

Dr Ketaki Ketan Patankar Associate Professor & Head Dept. of Physics Ismail Yusuf College Jogeshwari East, Natwar Nagar Station Road, Mumbai, Maharashtra-400 060

SUBJECT: One Day Hands on Training Workshop for Sophisticated Research Instruments during Mar 19-19,2024 at Ismail Yusuf College, Mumbai

Dear Dr Patankar

With reference to your application on the above subject, we are happy to inform you that Director General, CSIR has been pleased to sanction a grant of Rs.20000/- (Rupees Twenty Thousand Only) subject to the following conditions

- The grant received from CSIR should be duly acknowledged by email along with a certificate that the grant would be specifically utilized for the purpose for which it has been sanctioned.
- four months from reimbursed within 2. The grant may be Conference/Seminar/Workshop etc. is over by filling-in the Grant-in-Aid Bill Form in duplicate duly signed and rubber stamped by the concerned officials, indicating clearly the designation of the official along with Audited Statement of Expenditure for release of grant. Current Proforma for Grant-in-aid bill, Audited Statement of Expenditure and NEFT are available on our website http://csirhrdg.res.in/Home/Index/1/InPage/53/14. If any Utilization Certificates of Previous Grant for symposia (as per Col.No. 15 of the Application Performa) is not submitted till date, please attach copies of Utilization Certificates also. Any claim received beyond 4 months will be entertained only in exceptional cases subject to submission of reasons for delay, duly forwarded through Head of the Organization. In no case, the claim will be entertained after 6 months. All the pages of above documents should be self attested by the organizer.
- 3 Invitation cards should be sent to the Director General CSIR and Head HRDG CSIR may nominate three scientists for the above event and registration fee should not be charged from them. In case of nomination, the Head, HRDG or the undersigned would issue a letter with a copy to the nominee(s)
- 4 Softcopy (preferably in Pen Drive/CD/ DVD in PDF format) of the full paper proceedings of above event should be sent to the undersigned
- 5. An overall activity report by the Convener / Organizing Secretary should be made available to us with regard to outcome of the gathering, the recommendations and plan of action for future. The names, addresses & email IDs of the participants / delegates should also be sent immediately after the event.

Yours sincerely

(Dhirendra Bansa)

Government of Maharashtra

Ismail Yusuf College of Arts, Science & Commerce

Jogeshwari (East), Mumbai - 400060 (Estt: 1930)

Email- principaliyc@yahoo.inTel-Fax

TAX INVOICE

Ismail Yusuf arts commerce and

Name: science College, Jogeshwari east

Mumbai 400 060

GSTIN: 27AAAGP0929E1DQ

Invoice No: IYC/2023-24/01

PAN: 27AAAGP0929E

Invoice 01-03-2024

Date:

State: Maharashtra,

State Code: 400060

Customer Name: IR TECHNOLOGY SERVICES PVT. LTD

Customer

EL-91, TTC Industrial Area, Electronic Zone, MIDC, Mahape, Address:

Navi Mumbai 400710

India

Cutosmer GSTIN: 27AAACI1256K1ZL

Sl.No.	HSN/SAC	Description	R	ate	Disc.	Amount (Rs.)
1	84716050	One day hands on training workshop for sophisticated research instruments		20,000.00	0	20,000.00
		Tol	tal Taxabl	e Value Befo	re Tax	20,000.00
	Account Number	36922050877	Add:	CGST	@ 9%	0.00
	IFS Code :	SBIN0001861	Add:	SGST	@ 9%	0.00
	MICR Number:		Add:	IGST	@ 18%	0.00
	Type of Account	CURRENT AC				
	Bank Name :	STATE BANK OF INDIA			5.5 %	
	Email Address :	JOGESHWARI EAST		Tax Amour	nt: GST	0.00
	Email Address :	principaliyc@gmail.com	To	tal Amount P	ayable	20,000.00

Rupees Twenty thousand only

Remarks (If any): GST applicable on RCM basis



Authorised Signatory PRINCIPAL

Government of Maharashtra's Ismail Yusuf College Arts, Science & Commerce, Jogeshwari (East), Mumbai - 400 069

Tel No. (Office) 022-28352881

Tele-Fax (Principal) 022-28202188

Date-11 03 | 202 L

COMMITTEES FOR WORKSHOP SCHEDULED ON 19/03/2024

1. Stage Committee:

Dr. Ritesh Singhal, Mr. Ashish Bhaina, Mr. Shubam Thanpatak and

Sint. Swati Phadke. All 13124

2. Welcoming the guests, Honorarium payment, Memento and Arranging refreshments:

Dr.Arvind Luhar, Dr. Amit Saraf, Dr. Ketaki Patankar, Dr.Bhavita Chavan and Dr.Sushma Ambadekar.

3. Registration desk:

Shri , S.K. Tripathi, Ms. Pooja Prajapati, Ms. Shatbadi Sawant, T.Y. Physics

4 . Audio system, LCD Projector and photography :

Dr. Dattatreya Bhangare, Mr. Nitin Shelke, Dr. Ashwin Mehta, Shri.

Sarvesh Shinde and Volunteers from CS.

5. Participants Breakfast, Lunch and Tea Committee: _

Dr. Anil Chougule, Dr. Archana Rangari, Dr. Anjali Alekar and Dr. Ulka Adae.

6. Valedictory function feedback and Certificates:

Smt. Darkshan Shaikh , Dr. Rajesh Thakare, Dr.Ashwin Mehta CS department

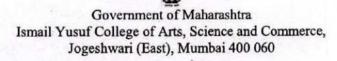
Volunteers.

Principal

PRINCIPAL

Government of Maharashira's Ismail Yusuf College of Arts, Science & Commerce.

Jogeshwari (East), Mumbat -400 060.



principaliyc@rediffmail.com

mobile 9987141391

IYC/2024/437

Date: 26/02/2023

To.

Dr S. D. Kaushik UGC-DAE-CSR Mumbai centre, BARC, Mumbai.

Subject: Letter of invitation as Resource Person for One day Hands on Training Workshop For Sophisticated Research Instruments.

Dear Sir,

We are hosting a one-day hands-on training workshop on sophisticated research instruments on 19th March 2024 at Government of maharashtra's Ismail Yusuf college Jogeshwari east, Mumbai-60, and we would be honored to have you as a resource person.

Your expertise in X-Ray Diffraction and Rietveld Analysis would greatly benefit our participants, and we believe your contribution would enhance the workshop experience significantly.

Please let us know at your earliest convenience if you are available to join us.

A line of acceptance would be highly appreciated.

Thanking you.

Organising Secretary Shri. Ashish Bhaina

Assistant Professor, Department of Physics

Convener

Government of Maharashtra's Ismail Yusuf College of

Arts, Science & Commerce. Jogeshwari (East), Mumbai -400 000.



principaliyc@rediffmail.com

mobile 9987141391

IYC/2024/437

Date: 26/02/2023

To,

Dr. Himal Bhatt

SO/G, FTS group, High Pressure & Synchrotron Radiation Physics Division Associate Professor Physical Sciences, Homi Bhabha National Institute Bhabha Atomic Research Centre, Trombay, Mumbai INDIA 400085.

Subject: Letter of invitation as Resource Person for One day Hands on Training Workshop For Sophisticated Research Instruments.

Dear Sir,

We are hosting a one-day hands-on training workshop on sophisticated research instruments on 19th March 2024 at Government of maharashtra's Ismail Yusuf college Jogeshwari east, Mumbai-60, and we would be honored to have you as a resource person.

Your expertise in **Infrared Spectroscopy** would greatly benefit our participants, and we believe your contribution would enhance the workshop experience significantly.

Please let us know at your earliest convenience if you are available to join us.

A line of acceptance would be highly appreciated.

Thanking you.

Organising Secretary Shri. Ashish Bhaina

Assistant Professor, Department of Physics

Profess Vijez Narkhede
Principal
Government of Maharashtra's
Ismail Yusuf College of
Arts, Science & Commerce.
Jogeshwari (East), Mumbai - 400 050,



principaliyc@rediffmail.com

mobile 9987141391

IYC/2024/437

Date: 26/02/2023

To

Dr Shabana Khan

Scientific Officer,

Mechanical Metallurgy Division (MG)

Bhabha Atomic Research Centre Mumbai-400085.

Subject: Letter of invitation as Resource Person for One day Hands on Training Workshop For Sophisticated Research Instruments.

Dear Sir,

We are hosting a one-day hands-on training workshop on sophisticated research instruments on 19th March 2024 at Government of maharashtra's Ismail Yusuf college Jogeshwari east, Mumbai-60, and we would be honored to have you as a resource person.

Your expertise in Scanning Electron Microscope would greatly benefit our participants, and we believe your contribution would enhance the workshop experience significantly.

Please let us know at your earliest convenience if you are available to join us.

A line of acceptance would be highly appreciated.

Thanking you.

Organising Secretary Shri. Ashish Bhaina

Assistant Professor, Department of Physics

Prof. Dr.Vijay Narkhede

Government of Maharashtra's Ismail Yusuf College of Arts, Science & Commerce

Jogeshwari (East), Mumbai - 400 060.



principaliyc@rediffmail.com

mobile 9987141391

JYC/2024/437

Date: 26/02/2023

To,

Dr. Pravin Tirmali Regional Manager, 1 R Technology Services Pvt Ltd EL-91, Electronic Zone, Mahape, Navi Mumbai 400 710,

Subject: Letter of invitation as Resource Person for One day Hands on Training Workshop For Sophisticated Research Instruments.

Dear Sir,

We are hosting a one-day hands-on training workshop on sophisticated research instruments on 19th March 2024 at Government of maharashtra's Ismail Yusuf college Jogeshwari east, Mumbai-60, and we would be honored to have you as a resource person.

Your expertise in Research would greatly benefit our participants, and we believe your contribution would enhance the workshop experience significantly.

Please let us know at your earliest convenience if you are available to join us.

A line of acceptance would be highly appreciated.

Thanking you.

Organising Secretary Shri. Ashish Bhaina

Assistant Professor, Department of Physics

Convener
Prof. Dr. Vijay Narkhede
Prof. PrincipaPAL

Government of Maharashtra's
Ismail Yusuf College of
Arts, Science & Commerce.
Jogeshwari (East), Mumbai - 400 000



principaliyc@rediffmail.com

mobile 9987141391

IYC12024/437

Date: 02/03/2023

To

Prof. **Dr Bhavita Chavan**Ex Principal,
Government of maharashtra's
Ismail Yusuf college
Jogeshwari east, Mumbai-60

Subject: Letter of invitation as Resource Person for One day Hands on Training Workshop For Sophisticated Research Instruments.

Respected Madam,

We solicit your gracious presence as an advisor to the organizing team of one day hands on training for Sophisticated Research Instruments. We wish you to spare your entire day i.e. 19/03/24 for smooth conduction of the workshop and also to take up the honor of being the guest of our valedictory function.

Please let us know at your earliest convenience if you are available to join us.

A line of acceptance would be highly appreciated.

Thanking you.

Organising Secretary Shri. Ashish Bhaina

Assistant Professor, Department of Physics

Prof. Dr.Vijay Narkhede Principal

PRINCIPAL
Government of Maharashtra's
Ismail Yusuf College
Arts, Science & Commerce,

Jogeshwari (East), Mumbai - 400 069.

Government of Maharashtra ISMAIL YUSUF COLLEGE OF ARTS, SCIENCE AND COMMERCE Jogeshwari (East), Mumbai 400

One Day Hands On Training For Sophisticated Reasearch Instruments

r. No	Full Name of the Participant	Name of the College	Email address
1	RIZWANA BEGUM MANJALE SAH	ISMAIL YUSUF COLLEGE .	rizwanashaikh1304@gmail.com
2	Dr Ketaki Ketan Patankar	Ismail Yusuf College Jogeshwari Mumbai	ketakiketan@gmail.com
3	Mrs.Ulka Devare	Sinhgad College of Science , Pune	dulkaphy@gmail.com
4	Kamalika Ray	St. Xavier's College, Mumbai (Autonomous)	kamalika.ray@xaviers.edu
5	Rohan Sanjay Kamat	Rajaram College, Kolhapur	rskamat2012@gmail.com
6	Chetana Uttam Mulik	Rajaram College Kolhapur	chetu.mulik12@gmail.com
7	Prof. (Dr). Bhawna Sharma Padroo	Amity Business School	bsharma@mum.amity.edu
8	Ayesha Shaikh	Sophia College (Empowered Autonomous)	ayesha786phd@gmail.com
9	Prof Sudhir Kulkarni	Doodhsakhar Mahavidyalaya Bidri	ksudhirn@gmail.com
10	Dr. Ashma Aggarwal	St. Xavier's College (Autonomous)	ashma.aggarwal@xaviers.edu
11	Ms. Kiran Prajapati	Ms. Kiran Prajapati	prakiran80@gmail.com
12	PREETI KIRAN GAOTURE	Elphinstone college, Fort, Mumbai -32	preetikirangaoture@gmail.com
13	Manish Ramharsh Gupta	N.E.S.Ratnam College	manishgupta3805@gmail.com
14	Mr.Babasaheb Tanaji Shinde	ACS College Lanja	bt.shinde@rediffmail.com
15	Dr. Poonamlata S. Yadav	Maharashtra College	poonamlatay@gmail.com
16	AJAY DATTATRAY PATIL	PATKAR COLLEGE GOREGAON	adpatil19@gmail.com
17	Namrata Naveen Jha	Patkar Varde college	namrataskjha@gmail.com
18	Kirti Pankaj Mhatre	University of Mumbai	kirti12patil@gmail.com
19	Dipti Deepak Gharat	Viva College	dptghrt6@gmail.com
20	Ms. Gazal Akil Asar	Sir Sitaram and Lady Shantabai Patkar College	
21	Mr. Rahul Rakesh Mishra	Sir Sitaram and Lady Shantabai Patkar College	
22			priyankasave1984@gmail.com
23	Mrs.Priyanka Aditya Save.	R.D.National College of Bandra	
	Rashmi V. Bordiwala	C.S.'s S.S. & L.S. Patkar-Varde College	rashmibordiwala@gmail.com
24	Dattatraya Shivaji Kale	Mumbai University	kaledatta12@gmail.com
25	Warik Shruti Ravindra	Ramnarain Ruia College	warikshruti@gmail.com
26	Mr. Ramdasi Onkar Arun	Ramnarain Ruia Autonomous College, Mumba	
27	MANASI RAVINDRA NIKATE	RAMNARAIN RUIA AUTONOMOUS COLL	
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30	Aakash Gaikwad	Ramnarain Ruia Autonomous College	aakashgaikwadtybsc2023@gmail.com
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34	Raj Kiran Surve	Ramnarian Ruia Autonomous College	rakrock101@gmail.com
35	sarthak vijay rambade	RAMNARAIN RUIA AUTONOMOUS COLI	
36	Tanvi Uday Gharat	Ramnarain Ruia Autonomous College, Mumba	
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41	Mrs. Priyanka M. Rodrigues	Kishinchand Chellaram College, Churchgate.	priyankapereira7@gmail.com
42	Sarvesh Ganpat Shinde	Ismail Yusuf College	sarveshshinde07@gmail.com
43	Arpana Chidanand Sandimani	Ismail Yusuf College	arpanasandimani@gmail.com
44	Anurag R. Yadav		anuragyadavsybsc2023@gmail.com
45	Aditya Jagendra Solanki	Ramnarain Ruia Autonomous College Matunga	
46	Borse Ganesh Rajaram	Kirti M. Doongursee College of Arts, Science	
47	Archana Ramesh Gawde	Ismail Yusuf college	gawde.archana09@gmail.com
48	Yugandhara Sanjay Waghode		yugandharawaghode 1992@gmail.com
49			bhagyashri.bangalkar@physics.mu.ac.
50	Vishakha shinde	University of mumbai	vishakha.shinde@physics.mu.ac.in
51	Shweta Rajendra Nikumbh		shweta.nikumbh@physics.mu.ac.in
52			rushikesh@physics.mu.ac.in

53	Tejas Sureshrao Hibare	Department Of Physics, University Of Mumbai	ejas.hibare@physics.mu.ac.in
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59	Ritesh Rajendra Hatkar		ritesh.hatakar@gmail.com
50	Dr. Vikas V Deshmane	SICES DEGREE COLLEGE OF ARTS, COM	desh8299vv@gmail.com
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	Riddhi chandrakant naik		naikriddhi2112@gmail.com
64	Shreyas Dinesh Gondal F		shreyasgondal27@gmail.com
	Shruti Manohar Gaikwad F		shrutigaikwadsybsc2023@gmail.com
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70	Vikrant Bahan Zende	Ditti, College Lines	vikrantzende65@gmail.com
71	SYED HABIBUDDIN SYED ABED A	directally beparement of the	sayhabib@gmail.com
72		smail Yusuf College	imranmujahid5@gmail.com
73	PROF SUSHAMA AMBADEKAR		sushama72ambadekar@gmail.com
74	Vhon kulsum javed	smail Yusuf college	khankul689@gmail.com
75	Pranav Pravin More	Maharshi Dayanand College of arts science and	more.pranay1989@gmail.com
76	Abdul Kayum Chaudhary	Royal College of Arts, Science & Commerce	akayumc@gmail.com
77		Ismail Yusuf College	shatabdisawant20@gmail.com
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79		VIVA college Virar	dr.artidubey@vivacollege.org
80	Rutuja Hemant Sawant	Viva College of Science Virar West	rutujasawant@vivacollege.org
81		Viva college	swatidhumal@vivacollege.org
82		Mumbai university	siramp25@gmail.com
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84		ICDM University Pune	abg.sbas(a)jspmuni.ac.iii
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86	Paresh Mahendra Patil	Department of chemistry, University of Mumba	paresh160493@gman.com
87	Ms. JAYASHREE NITYANAND KU	LININGED CITY OF MIMBAI	kudalkarjayashree99@gman.com
88	Mis. Statisticism to the	KLE SOCIETY'S SCIENCE AND COMMER	richa.s@klessccmumbai.edu.in
89	Dr. Richa Singh Miss.Rutuja Satish Rajenimbalkar	Dr.Babasaheb Ambedkar Marathwada Univers	rutujaraje 18@gmaii.com
90		The Institute of Science	vshruti285@gmail.com
91	Shruti Omkar Varma	K C College, Mumbai	jyotsnarpande@gmail.com
92	dr.jyotsna Pandey	Ramnarain Ruia autonomous college, Matunga	amushaikh31194@gmail.com
93	Amrin Rashid Shaikh	Institute of Chemical Technology Mumbai	loshnikbarc(a)gmaii.com
94	Mr Oshnik Chandrakant Maurya	University of Mumbai	pratikshaborse3@gmail.com
95	BORSE PRATIKSHA KAILAS	Mithibai college	hashmiaamir145@gmail.com
96	Mohd Shahil Abdul Arman Hasmi	The Institute of Science	shubhamt29@gmail.com
97	Shubham U.V Tanpathak Ansari Azra Parveen Mohammed Isma		azraia15@gmail.com
98	Tanzeem Fatima Nisar Mirza	Hamai Viignif College	mirzatanzeem2001@gmail.com
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102		T Il Vienef College	mehtaashwin2021@gmail.com
103	Dr Ashwin I Mehta	DE COLLEGE DADEL MIMBAL MAH	praamamukesh@gmail.com
104	PARAB MUKESH LAHU	Ramkrishna Paramhansa Mahavidyalaya, Dha	risandipdeshmukhzz44(a/ginan.com
105		Kishinchand Chellaram College	Ishaila.wagie@kecollege.cdu.m
106		Ismail Yusuf College	anaaanand007.gp@gmail.com
107	Prasad Anand Ganesh	Ismail Yusuf College	roshnidubey2201@gmail.com
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109	Monish yellumohanti	Institute of chemical technology Mumbai	bhaktiumakant@gmail.com
110	Bhakti Umakant Joshi	ICT Mumbai	kanchanpawar0610@gmail.com

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	Khan Alisha Khanam Arshad	Siddharth college of Arts, Science and Comme	khanalishakamran@gmail.com
116	Kamble Deepashree Dinkar	Siddharth College of Arts, Commerce and Scie	deepashree 1412@gmail.com
117	Kamble Deepashree Dinkar	Siddharth College of Arts, Commerce and Scie	deepashree 1412@gmail.com
118	Shubham Burande	The Institute of science	shubhamburande20@gmail.com
119	Shruti Mohan Chipkar	Ismail Yusuf college	shruuc09@gmail.com
120	BRIJESHKUMAR SARVJEET YADA		brij1092@live.com
	Dr. Rounak Atram	Bharatiya Vidya Bhavan, Bhavans College, An	rounak atram@hhayans ac in
		n care	tawareshital82@gmail.com
123	Sheetal Anil Jaiswal		sheetaljaiswal@vivacollege.org
124	Srishti Tewari		srishtitewari1995@gmail.com
125	Dr. NIYANTA V DAVE	CONTRACTOR	niyantadave@vivacollege.org
126	Poonam Sudhakar Mhetre		mhetrepoonam@gmail.com
	Dr. Jyoti Ashok Chavan	Rajaram College Kolhapur	ivotiachavan@gmail.com
128	Ansari Azra Parveen Mohammed Isma	SIDDHARTH COLLEGE OF ARTS, SCIENCE	azraia 15@email.com

Montan

Head of Physics Department

Government of Maharashtra's
Ismail Yusuf College of
Arts, Science & Commerce,
Jogeshwari (East), Mumbai -400 060.

Form-CSIR/SYM/19/GA



COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH HUMAN RESOURCE DEVELOPMENT GROUP CSIR COMPLEX, OPP INSTITUTE OF HOTEL MANAGEMENT LIBRARY AVENUE, PUSA, NEW DELHI- 110012, INDIA Email: tgsm[at]csirhrdg[dot]res[dot]in Phone:0112584107

Symposia Grant Scheme for Organising Scientific Events (Symposia/ Seminars / Conferences/ workshops, etc. within India

GRANT-IN-AID BILL (To be filled by the Applicant and submitted in duplicate)

Date: 20/3/24	Date:	20/3/24	

To: Reference Head, HRD Group, CSIR Complex, Pusa, New Delhi-110012 CSIR Sanction No: SYM/12403/23—HRD, dtd 4/03/24

- Name of the Organisation under whose auspices the Scientific Event was organized: <u>Government of Maharashtra's</u>, Ismail Yusuf College, Jogeshwari, Mumbai-400060
- 2. Title/Name of the Scientific Event : One day Hands on Training workshop for Sophisticated Research Instruments
- 3. Venue of the Event (Address) Ismail Yusuf College, Jogeshwari East, Mumbai- 400060

4. Period:

	From			То	Managh
Date	Month	Year	Date	Month	Year
19	03	2024	19	03	2024

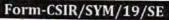
- 5. Brief report (highlights) of the Scientific Event (Less than 1000 words- Attach separate sheet)
- 6. (a) Grant Sanctioned: Rs. 20000/- (Rupees Twenty thousand only)

(b) Total Actual Expenditure: Rs. 40000/- (Rupees Forty thousand only)_

(c) Actual expenditure as per Attached Audited Statement of Expenditure for claim from CSIR: Rs. 20000/- (Rupees Twenty thousand only

7. PI tick mark (V) the name of the authority to whom the NEFT payment is to be made:

S.No.	Authority	Mark V
i.	Director	
ii.	Registrar	
iii.	Dean	
iv.	Finance Officer	
٧.	Medical Superintendent	EDIE MELALE
vi.	Principal .	V
vii.	Any Other Authority designated by your Organization/Institute (Kindly specify)	



Date:



COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
HUMAN RESOURCE DEVELOPMENT GROUP
CSIR COMPLEX, OPP INSTITUTE OF HOTEL MANAGEMENT
LIBRARY AVENUE, PUSA, NEW DELHI- 110012, INDIA
Email: tgsm[at]csirhrdg[dot]res[dot]in
Phone:0112584107

Symposia Grant Scheme for Organising Scientific Events (Symposia/ Seminars / Conferences/ workshops, etc. within India

AUDITED STATEMENT OF EXPENDITURE To be filled by the applicant in duplicate

Reference: CSIR Sanction No	: SYM/12403/23-HRD, dtd 4/03/24
-----------------------------	---------------------------------

 Name of the Society / Organisation under whose auspices the Event was organized: Government of Maharashtra's, Ismail Yusuf College, Jogeshwari, Mumbai-400060

2 Title/Name of the Event:

One Day Hands on Training For Sophisticated Research Instruments

3. Period:

	From	HERE ST		To	
Date	Month	Year	Date	Month	Year
19	March	2024	19	M	2024

4. Grant Sanctioned: Rs. _____(Rupees _____

5. Certified that out of Total Expenditure of Rs. 40000/-(Rupees Thirty thousand only) CSIR Grant of Rs. 20,000/- (Rupees Twenty thousand only) has been utilized as per the details given below:

S. No.	Budget Head	Amount (Rs)
i	Travel expenses for c. Senior scientists:	
	d. Young Scientists:	
li	Registration Fee Waiver	Nil
	c. Senior scientists: d. Young Scientists:	
lii	Promotion (web site, brochures, others)	10,000/-
Iv	Secretarial assistance	10,000/-
v	Local Hospitality	
vi	Venue Charges	Not applicable
	TOTAL	20000/-

Certified by: (PL ENSURE ALL SIGNATURES ARE ON THIS PAGE ONLY)

Organizer:

UDJH: 24100034BK1 ASL7994 Finance Officer/

Chartered Accountant

Head Organisation

Signature Munting
Name: On Ketak; Patenhan

Signature Sun Wy Ga Name: Pouresh Kylwer

Signature Name

on Vijay Narkhell

Designation: 460 Mob No. 9890693356 Mob No.

932311111822

Designation principal b No. 9930151586

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Head of Physics Department

Government of Maharashtra's Ismail Yusuf College of

Arts, Science & Commerce,

FRN 115696W CO

PRINCIPAL.
Government of Maharashtra's

Ismail Yusuf College
Arts, Science & Commerce.
Acts (E256) Mondai - 400 999.

Note: Grant will be released in the account of Society/Institution/Organization etc only

Certified that the amount claimed in this bill was utilized for the purpose for which it has been sanctioned, and the Audited Statement of Expenditure is enclosed as per requirement.

Organizer:	Head of the Organisation (Place of Event)				
- AMA, WILL AND COMME					
Signature Nus Why oterning	Signature Name: Designation: De				
Name: Da Kitaki Patankas					
Designation: Head of physica Dept.					
Address: Ismail Yusuf College	Address: 75mal Yusuf College.				
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Jogeshwari (East), Mumbai -400 060.	Ismail Yusuf College Arts, Science & Company				
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TO BE FILLED I Budget Head- EMR	BY CSIR-EMR				
Pay: Rs:(Rupees	ayment is to be well. D:				
	Deputy/Under Secretary /DDO				
TO BE FILLED BY CSII					
IBR No Dated:Pay Rs	(Rupees:)				
Dealing Assistant					
ceaning Assistant	SO (F&A)/F&AO/DyFA				
Rspaid vide Cheque NoDated_	through NEFT/RTGS				

NATIONAL ELECTRONIC FUND TRANSFER (NEFT) FORMAT

1	Account Holders Name/Name of the Beneficiary	Principa	JISmuil	Yusul Seminaco	
2	Bank Account Number	Principal Ismail Yusu Semiorco			
3	Name of the Bank	SBI			
4	Branch Address	Jayeshwari (E)			
5	Branch Code				
6	Account type/Nature of Account (PI tick √ mark)	Saving	Current	Overdraft	
7	IFSC Code of the Bank	SBIN 000 1861			
8	MICR Number				
9	Mobile No. of the Candidate	9930151586			
10	Email id of the Candidate		Tiye @yaho	0.100	

Signature of the Head of the Institute/Director/Registrar/Dean/ principal /Administrative Officer/Finance Officer

Name: Dr. Vijay P. Nurkhede Date: 06.03.2024

Seal

Certified by (Bank)

Date:

Seal

TO BE FILLED BY CSIR

Narration: CSIR SYM

(To be used by Bank while transferring the Payment/Grant)

Deputy/Under Secretary/DDO



Government of Maharashtra ISMAIL YUSUF COLLEGE OF ARTS, SCIENCE AND COMMERCE NAAC 'A' Grade Jogeshwari (East), Mumbai 400 060

Tel. No. (Office) 022-28352881,28202188

principaliye@rediffmail.com

Fax (Principal)

Date :- 26.03.2024

TO.

Prof. Dr. Dhirendra Bansal Senior Principal Scientist Council of scientific and Industrial Research Human Resource Development Group CSIR Complex, Library Avenue, Pusa New Delhi – 110012

Subject :- Workshop claim Bill of Rs.20,000/-

Ref.:- Your Letter Ref.No. No SYM/12403/23- HRD/Dtd. March 04,2024.

Respected Sir

I am enclosing herewith the following documents for the claim of Rs.20,000/- recommend by your office w.r.t. the above letter. The duly completed and signed Grant-in-aid bill (Annexure 3), Audited Statement of Expenditure (Annexure 4), Brief Report of workshop conducted and NEFT Format (Annexure 5) are enclosed herewith for your reference and further action. The List of participants along with their emails are also enclosed for your reference. As it is was only a hands on training workshop, so neither papers were submitted nor proceeding was published.

Thanking you.

Your Faithfully

(Conveners

Head of Physics Department
Government of Maharashtra's
Ismail Yusuf College of
Arts, Science & Commerce,
Jogeshwari (East), Mumbai -400 060.

4

Government of Maharashtra ISMAIL YUSUF COLLEGE OF ARTS, SCIENCE AND COMMERCE NAAC 'A' Grade

Jogeshwari (East), Mumbai 400 060

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Fax (Principal)

Date :- 26.03.2024

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Senior Principal Scientist
Council of scientific and Industrial Research
Human Resource Development Group
CSIR Complex, Library Avenue, Pusa
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Head of Physics Department

Government of Maharashtra's

Ismail Yusuf College of

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Jogeshwari (East), Mumbai 400 060

Tel. No. (Office) 022-28352881 28202188 principaliyc@rediffmail.com

Fax (Principal) 022-

TY (2024 511

Date: 19/03/2024

Appreciation letter

We are thankful to Dr. Somdatta Kaushik, UGC-DAE-CSR, Scientist for accepting our invitation and spending precious time for conducting session on 'X-Ray Diffraction and Reitveld Analysis' for all the participants of "One Day Hands on Training Workshop for Sophisticated Research Instruments", organized by Physics department, Ismail Yusuf College in collaboration with CSIR, New Delhi, IR TECH Navi Mumbai and VDCF Mumbai.

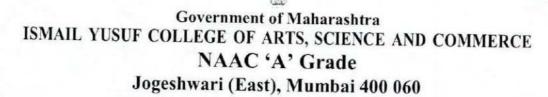
On the behalf of Govt. of Maharashtra's Ismail Yusuf College, Jogeshwari, Mumbai, we sincerely appreciate your valuable guidance and the intensive training of research equipment. In future we expect the same collaborative activities.

Thanking you

Principal
PRINCIPAL
Government of Maharashtra's

Ismail Yusuf College of
Arts, Science & Commerce.

logeshwari (East), Mumbai - 400 06%



Tel. No. (Office) 022-28352881,28202188

principaliyc@rediffmail.com

Fax (Principal)

Date: 19/03/2024

Appreciation letter

We are thankful to Dr. Himal Bhatt, Scientist, BARC for accepting our invitation and spending precious time for conducting session on 'Scanning Electron Microscopy' for all the participants of "One Day Hands on Training Workshop for Sophisticated Research Instruments", organized by Physics department, Ismail Yusuf College in collaboration with CSIR, New Delhi, IR TECH Navi Mumbai and VDCF Mumbai.

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Government of Maharashtra's
Ismail Yusuf College of

Arts, Science & Commerce. Jogeshwari (East), Mumbai -400 060.



ISMAIL YUSUF COLLEGE OF ARTS, SCIENCE AND COMMERCE NAAC 'A' Grade

Jogeshwari (East), Mumbai 400 060

Tel. No. (Office) 022-28352881 28202188 principaliyc@rediffmail.com

Fax (Principal) 022-

TYC/2024/512

Date: 19/03/2024

Appreciation letter

We are thankful to Dr Shabana Khan, Scientist, BARC for accepting our invitation and spending precious time for conducting session on 'Scanning Electron Microscopy' for all the participants of "One Day Hands on Training Workshop for Sophisticated Research Instruments", organized by Physics department, Ismail Yusuf College in collaboration with CSIR, New Delhi, IR TECH Navi Mumbai and VDCF Mumbai.

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Thanking you

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Government of Maharashtra's
Ismail Yusuf College of
Ismail Yusuf & Commerce.
Arts, Science & Commerce.
Jogeshwari (East), Mumbai - 400 060.

Report on "One day Hands on Training Workshop For Sophisticated Research Instruments.

Date of organization of Workshop: 19/3/24

Time: 9 am to 6 pm

The workshop got an overwhelming response by registration of 125 participants. We had invited three scientists from BARC, Mumbai. They had expertise in three different sophisticated research instruments. The engineer who had supplied these instrument to our college was also present for the actual hands on training process.

The workshop began with a formal Inaugural function in which the convener Dr Ketaki Ketan Patankar briefed the participants about the aims and objectives of this workhop. The head of our institute Prof. Dr Vijay Narkhede Sir introduced our College and focused on the available research infrastructure. He also discussed about the common facility centre that the college is going to initiate next year and about how the different sophisticated and highly precision instruments will be housed all under one roof for multiple access. He also emphasized on how this training will help the participants in their academic growth. The IQAC coordinator Prof. Dr Arvind Luhar emphasized on the need of such training for improving their research work and urged the participants to take advantage of the instrumentation facilities available with us. He even guided to do collaborative quality research work.

The session-I was on X-ray Diffractometer with Reitveld Analysis. It was delivered by Dr Somdatta Kaushik, an UGC-DAE-CSR scientist of Mumbai Centre. He started with the fundamentals of Crystallograpy, and gave the idea about the production of X-rays and why they are used in exploring the material structure. He also guided us the significance of Neutron diffraction over X-ray Diffraction. The procedure of obtaining X-ray diffractogram by powder method was discussed in detail by him. He also discussed the different parameters that can be determined from the XRD. How these parameters are valuable to the researcher to account for the quality of their research materials. The session was chaired by Dr Amit Saraf, an Assistant Professor in Botany of our College.

The Session-II started on a very light note of what is absorption and transmission and the material's contribution in it. It was delivered by Dr. Himal Bhatt, a Scientist from BARC, Mumbai. He gave the explanation of FTIR in a very simple way. The complex concepts in the instrumentation were simplified so that a layman can understand it very easily. He explained the different ranges of IR and their advantages. He could well account for the statement: "IR spectroscopy is the finger print of the Universe". He also explained the procedure for finding the force constant of the force that binds the atoms together in a compound or molecule. The functional group, bond length, site radii and the involved 'vibrational and rotational energy levels were thoroughly explained. Raman Spectroscopy and its significance was also cleared. This session was chaired by Dr. Sushma Ambadekar. She was very active in getting her doubts clarified from the resource person.

The Session III was covered by Dr Shabana Khan Madam. She is working as a scientist at Metallurgy division in BARC, Mumbai. Her session covered the basics of Microscopy. The limitation of Optical microscopy led to the invention of Scanning Electron Microscopy. The basic principle, construction and working of the samples were thoroughly discussed by her. Few Micrograghs were also discussed and the procedure for estimating the important parameters like grain size, shape, orientation and surface

texture were discussed in detail. She also briefed us about the preliminary work to be carried out before the sample is scanned. This session was chaired by Ms. Darakshan Shaikh, an associate professor in Statistics of our college.

All the above three sessions were informative and interactive. The audience were receiptive because they were keen to know about how the structure accounts for the quality of the material and also predicts its property. The participants had a very brainstorming discussion with all the three resource persons.

These sessions were conducted in the Auditorium from 9 am to 2 pm.

After lunch, the actual hands on training for the participants began in the research laboratories. The participants were split into small groups. They came to know what preliminary adjustments are required to be done and the initial parameters are to be set before the use of instruments. The participants became familiar to how the sample is needed to be mounted, the adjustment of scanning rate and the recording process. They were also taught how to analyse the X-ray diffractogram, a Micrograph and the absorption spectra obtained from various instruments.

To know, to what extent the participants are benefited by this workshop, a short Multiple choice based test was conducted after the training program and in the tea break. Most of them have responded and secured distinction. To encourage the young research scholars the prizes were given to the participants who cleared the test in flying colors and who were completely engrossed in the entire day training process.

The program ended with the Valedictory function. The participants were eager to give their feedback. Some of them wanted this training workshop to be extended for a period of one week. Many of the participants were interested in knowing the availability slots to work on these instruments in future. The funding obtained from various agencies was acknowledged during this session. The main purpose of the workshop was attained as learnt from the oral as well as written feedbacks. The function was over at 6 pm by reciting the National Anthem and thereafter group photos were clicked with the distinguished scientists.

Convener

Head of Physics Department

M. Nu fetami

Government of Maharashtra's Ismail Yusuf College of

Arts, Science & Commerce,

Jogeshwari (East), Mumbai - 400 060, Glimpse of the Hands on Training Workshop PRINCIPAL

Government of Maharashtra's Ismail Yusuf College Arts, Science & Commerce.

Arts, Science & Common 400 059. Jogeshwari (East), Mumbai - 400 059.

ISMAIL YUSUF COLLEGE OF ARTS, SCIENCE AND COMMERCE

Jogeshwari (East), Mumbai- 400 060

One Day Hands On Training For Sophisticated Research Instruments

Sr. no.	Full Name Of The Participant	Name of the College	Signature
1	Mr.Babasaheb Tanaji Shinde	Acs college lanja	
2	Prof. (Dr). Bhawna Sharma Padroo	Amity business school	
3	Sarita Krushna Jangle	Annasaheb vartak college	0
4	Rashmi V. Bordiwala	Patkar Varde college	B.
5	Ritesh Rajendra Hatkar	Com g s p college talasari	
6	Senjuti Biswas	University of mumbai	
7	Paresh Mahendra Patil	University of Mumbai	
8	Rohan Deepak Narkar	University of Mumbai	TK. a nackon
9	Yugandhara Sanjay Waghode	University of Mumbai	and the second
10	Tejas Sureshrao Hibare	University of mumbai	185
11	Prof Sudhir Kulkarni	Doodhsakhar mahavidyalaya bidri	
12	Miss.Rutuja Satish Rajenimbalkar	Dr.Babasaheb Ambedkar marathwada university	
13	Preeti Kiran Gaoture	Elphinstone college, Fort, Mumbai -32	W/
14	Prof Sushama Ambadekar	I y college jogeshwari Mumbai	
15	Mr Oshnik Chandrakant Maurya	ICT, Mumbai	Com
16	Dwijalee Rajendra Deo	Institute of Science	
17	Shubham Shivaji Burande	Institute of Science	Girante
17	Tanzeem Fatima Nisar Mirza	Ismai yusuf college	*
18	Rizwana Begum Manjale Sahab Shaikh	Ismail yusuf college	Raugh
19	Sarvesh Ganpat Shinde	Ismail yusuf college	Sulin
20	Arpana Chidanand Sandimani	Ismail yusuf college	Toyaus
21	Archana Ramesh Gawde	Ismail Yusuf college	
22	Imran Abdul Hamid	Ismail yusuf college	1
23	Khan Kulsum Javed	Ismail Yusuf college	1
24	Shatabdi Shashikant Sawant	Ismail yusuf college	- January
25	Shaikh Sidraa Abdul Rahim	Ismail Yusuf college	Diehar
26	Yaday Chandan Kumar	Ismail yusuf college	11
27	Dr Ashwin I Mehta	Ismail yusuf college	Aluti
28	Prasad Anand Ganesh	Ismail yusuf college	frank
29	Dubey Roshni Hridaynarayan	Ismail yusuf college	
30	Shruti Mohan Chipkar	Ismail yusuf college	Sy.
30	Dr ketaki ketan patankar	Ismail yusuf college	
31	Vikrant Baban Zende	J.s.m. college alibag	
32	Dr. Manisha Deshpande	Jai hind college	der.
33	Dr. Anirvan Gupta	Jspm university pune	18
34	Dr.Jyotsna Pandey	K c college, mumbai	New
35	Borse Ganesh Rajaram	Kirti M. Doongursee College	1,
36	Dr. Shaila M. Wagle	Kishinchand chellaram college	dr.

ISMAIL YUSUF COLLEGE OF ARTS, SCIENCE AND COMMERCE

Jogeshwari (East), Mumbai- 400 060

One Day Hands On	Training For	Sanhisticated Desearch	Instruments
One Day Hands On	Training For	Sophisticated Research	Instruments

37	Mrs. Priyanka M. Rodrigues	K.C. college, churchgate.	Tuelo
38	Dr. Richa Singh	Kle society's science and commerce college	
39	Parab Mukesh Lahu	M. D. College	
40	Dr. Poonamlata S. Yadav	Maharashtra college	Typed
41	Pranay Pravin More	M. D. College	
42	Mohd Shahil Abdul Arman Hasmi	Mithibai college	
13	Ms	Ms. Kiran prajapati	
14	Dattatraya Shivaji Kale	Mumbai university	
15	Pathan Iram Saba	Mumbai university	
16	Manish Ramharsh Gupta	N.e.s.ratnam college	ment
17	Ajay Dattatray Patil	Patkar Varde college	
18	Namrata Naveen Jha	Patkar Varde college	
19	Mrs.Priyanka Aditya Save.	R.D.National College of Bandra	
50	Chetana Uttam Mulik	Rajaram college kolhapur	
51	Rohan Sanjay Kamat	Rajaram college, kolhapur	
52	Riddhi Chandrakant Naik	Ram narayan Ruia college	Prank
53	Dr. Sandip Balasaheb Deshmukh	Ramkrishna paramhansa mahavidyalaya	
54	Manasi Ravindra Nikate	Ramnarain ruia autonomous college	
55	Parth Joshi	Ramnarain Ruia autonomous college	de
6	Soham Pravin More	Ramnarain ruia autonomous college	
57	Aakash Gaikwad	Ramnarain ruia autonomous college	
58	Nitesh Pankaj Yadav	Ramnarain ruia autonomous college	Milesh
59	Sarthak Vijay Rambade	Ramnarain ruia autonomous college	et -
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69	Tanvi Uday Gharat	Ramnarain ruia autonomous college	13/10
70	Warik Shruti Ravindra	Ramnarain ruia college	Arana
71	Renuka Anil Sonawane	Ramnarain ruia college	Right.
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73	Raj Kiran Surve	Ramnarian ruia autonomous college	16.1.10
74	Shruti Manohar Gaikwad	Ramnarian ruia college	Chixun

ISMAIL YUSUF COLLEGE OF ARTS, SCIENCE AND COMMERCE

Jogeshwari (East), Mumbai- 400 060

	One Day Hands On Training Fo		ments 9
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79	Suraj Chandrashekhar Mishra	Ruia college	Vous
80	Shravya Sudhanshu Chitari	Ruia college	ANSON.
81	Dr. Sharad Kashinath Awate	SICES Degree College	- Hull Co
82	Dr. Vikas V Deshmane	SICES Degree College	11 300
83	Ansari Azra Parveen Mohammed Ismail	Siddharth college	12421
84	Nikita Umesh Powar	Siddhartha college	goar.
85	Mrs.Ulka Devare	Sinhgad College of Science, Pune	
86	Ms. Gazal Akil Asar	Patkar Varde college	
87	Mr. Rahul Rakesh Mishra	Patkar Varde college	
88	Ayesha Shaikh	Sophia college	
89	Ms. Siena Dbritto	St. John College	
90	Dr. Ashma Aggarwal	St. Xavier's college	
91	Kamalika Ray	St. Xavier's college	
92	Shruti Omkar Varma	The Institute of Science	
93	Shubham U.V Tanpathak	The Institute of Science	Stur
94	Syed Habibuddin Syed Abed Ali	University of Mumbai	10
95	Kirti Pankaj Mhatre	University of Mumbai	am
96	Bhagyashri Mohanrao Bangalkar	University of Mumbai	A .
97	Vishakha Shinde	University of mumbai	Aschelan .
98	Shweta Rajendra Nikumbh	University of Mumbai	Sarkenlah
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Government of Maharashtra Ismail Yusuf College, Jogeshwari, Mumbai 60 Attendance Sheet MPTET-2023 (18th August 2023)

Session - I

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sr. no	Name of Participant	Contact no.	Sign
1	Imson Mujahid	7738801979	f-
2.	Ansari Falak Nagz	9969833714	Asari
3.	Shoukh Gulnaz	7700045 975	The .
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5.	Perof. Gayatri Baralde	9820152419	Glacalde
6.	KARUIR. RESHAM	9664643574	Cham
7	Payanka. P. Sorae	916 4984205	Pour
8,	Pooja. H. Vishwakarma	9769005657	ALO.
9.	Prof SUSHAMA AMBADEKAR	9869080372	
10	Prof. Manisha Kulkarni	9323407419	Elleri
11.	Prof. Ratnamala P. Sonawane	9821846311	Bonopare
12.	Sarita Dange	9869366587	P
13	Dr. Archeno. D. chepolicar	9657538276	And
14	Pramod Viuhwakarma	9321449454	Mode
12.	Dr. Mithir Herlekar	9920386671	Malekal
16	Shamshed Malik	8879867162	Down
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	Rohit Deshmort	8433896943	Pohis_
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	Sawant Prachita	9702713453	Barons
	Sangita Joshi	9820486419	Spail
	AMIT SARAF	9867942898	Dans
)	Nitin shelake	8369446)65	Double
	Samreen Shaikh	8291174665	J=
	Rohit Prasad	7039240987	Rolfrand
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-3	Varsha G. Gawai	8097469652	Ganca
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	Dr. Ravindra R. Kalesh	8108427606	RES
	Mohd Sahil Ansari	9082393976-	MSIL
	Prof. Dr. Anita J. Balake	9423860495	Balalee
	Shataleli S. Sawant-	9867503680	January -
	Pooja Dhananjay Salunkhe	8097683038	A STATE OF THE STA
	Dr. Heena Pathan	9619623230	Hathan
	Dr. Parag Masram	9619569343	hour
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	Sana Nasim Shaikh	9076687786	Sanokh.
	Yatendra I. Tadav	9029822056	Q.
	Grish Tannekar	9167244892	121
	Shubham Tanpathak	9167842204	SHORMANINE

Government of Maharashtra Ismail Yusuf College, Jogeshwari, Mumbai 60 Attendance Sheet MPTET-2023 (18th August 2023)

Session - III

sr. no	Name of Participant	Contact no.	Sign
1.	Dr. Archana. K. Rangani	9004182439	Jeansand
2.	Dr. Ulka P. Aade	9763602402	Jule
3	Sangita Joshi	9820486419	. Spil
4	Pooja U. Yadar	989293 5077	Reject
5	Parag Marsam	9619569343	Inar
6	Dr. Nandkishor chandan	9867792553	& finds
7	Do. Shifal 3. Toware	9922395254	Spece
8.	Dr. Archano. R. chapoliser	9657538276	Aser
g. P	D4. Anita J. Borlake	9423860495	Jostalee
10	prof Syshema Ambadekar	9869080372	
11.	Prof. Ratnamala P. Sonawane	9821846311	Bonasane
12	Perof. Gayater Barabde	9820152419	GlBaralde,
13	PLAMIT SARAT	9867942898	Dark
14	Prof. Marisna Kulkaroni	9323 407419	Dhe
15	Dr. Ketak; patonhen	9890693356	M. unpetonus
16	S. K. Tripathi	9967-837672	- Dr
17	2 1 2	9137038033	Darathans

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18	Dr. Pralhadk. Harinkhede	9869993907	73
19	Ms. Rizwana Shaikh	8268656757	Rizarat
20	VARDA S. KULKARNI	8424878703	X. Kuml.
21	Monish Yellumohon ti	8369800925	marik
22.	Sarvesh Shinde	9870482658	Salvise
23	Arpana Sandimani	7738424067	physics
24	Imsan Mujahid	7738801979	B
25	Pramod Vishwakarma	9321449454	modk.
26	Yatendra Yadar	9029822056	e f.
27	Rajosh B. Thekare	987074)802	Son
28	Sona Nosim Shaikh	9076687786	Snajkh.
29	Sana Nosim Shaikh Dr. Dattatony. Nimba Bhangare	9082793454	35
30		9822525523	my.
3)	Pooja Dhananjoy Salunkhe.	8097683938	Jan
32	Shaikh Samreen Mohammed Faiyez	8291174665	for
33.	Dr. Mihir Herlekar	9920386671	Makka
34.	Shubham U.V Tanpathak	9167842204	Stor
35	Mr. Nitin sheldre	8349446165	# Strelation
36	. Dr. Ravindra R. Kalesh	8329893391	Will
37	Genish Vasuder Janmekar	9167244892	fil.
38.	Robit Prasad.	1039240987	Rolfrasy
39	ShamBhad Malik	8879867162	Showalden
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Prachita Sawant	970271347	3 Desaward
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Miss. KARVIR. RESHAM	9664643574	Pr
Dr. ASHWIN I. MEHTA	9820681349	South
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Ar. Mohammad Staces	7304398657	Marine
	9082402818	Aradon
Akash R. Maurya	1082 102010	+
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	Yuganelbura J. Wushoole Saira Siddiqui Ansari Rugaiya Bano. Shailah Zanina Mahammed Yaqub Khan Fonziya A. A SHATABDI SHASHIKANT SAWANT Pouyanka Pushkarlah Soran Pouyanka Pushkarlah Soran Pouyanka Vishwatarman Ansari Falak Naaz M.Z. Miss. KARVIR. RESHAM Dr. ASHWIN I. MEHTA Subort Kyma Sha	Shaikh Gulnaz. 7700045975 Mohd Sahil Ansani 9082393976 Mugdha Kasekan 7021492446 Poachita Sawant 970271347 Archana R. Gawde 7718972914 Yugandhur S. Woshod 7350278507 Sodra Siddigu 865230449 Ansari Ruqaiya Bano. 7738687431 Shailah Zarina Mahammed Yaguh 9967132765 Khan Fonzaja A. A. 92063102 SHATABDI SHASHIKANIT SAWANT 9867502680 Poéyanka Puhkarlal Ioran 9164980205 Poéyanka Puhkarlal Ioran 9164980205 Ansari Falak Naaz M.Z. 9969833714 Miss. KARVIR. RESHAM 9664643574 Dr. ASHWIN I. MEHTA 9820681349 Subort Kuma Shas 9779654165

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ISMAIL YUSUF COLLEGE OF ARTS, SCIENCE AND COMMERCE

Jogeshwari (East), Mumbai- 400 060

One Day Hands On Training For Sophisticated Research Instruments

Batch-II

Sr. No.	Full Name Of The Participant	Name of the College	Signature
1	Dr. Jyotsna Pandey	K c college, mumbai	The
2	Dr. Shaila M. Wagle	Kishinchand chellaram college	after 1
3	Mrs. Priyanka M. Rodrigues	K.C. college, churchgate.	Lirelia.
4	Dr. Poonamlata S. Yadav	Maharashtra college	Jean-
5	Manish Ramharsh Gupta	N.e.s.ratnam college	maid
6	Riddhi Chandrakant Naik	Ram narayan Ruia college	Rhoux
7	Parth Joshi	Ramnarain Ruia autonomous college	F
8	Nitesh Pankaj Yadav	Ramnarain ruia autonomous college	Nilesh
9	Sarthak Vijay Rambade	Ramnarain ruia autonomous college	
1.0	Amalkrishna Divakaran Chozhiyattil	Ramnarain ruia autonomous college	Inal
11	Kunal Paresh Chavan	Ramnarain ruia autonomous college	Chyl.
12	Anushka Harshad More	Ramnarain ruia autonomous college	anulite.
13	Anurag R. Yadav	Ramnarain ruia autonomous college	Commey
14	Shardul Gore	Ramnarain ruia autonomous college	84.
15	Aditya Jagendra Solanki	Ramnarain ruia autonomous college	Algu .
16	Mr. Ramdasi Onkar Arun	Ramnarain ruia autonomous college	Qu.
17	Tanvi Uday Gharat	Ramnarain ruia autonomous college	Fatan.
18	Warik Shruti Ravindra	Ramnarain ruia college	Quant
19	Renuka Anil Sonawane	Ramnarain ruia college	Renules -
20	Kamruddin Gyassuddin Khan		
21	Sameer Shamim Ansari		

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Raman

Government of Maharashtra's

ISMAIL YUSUF COLLEGE OF ARTS, SCIENCE AND COMMERCE

Jogeshwari (East), Mumbai- 400 060

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Batch-III

Sr. No.	Full Name Of The Participant	Name of the College	Signature
1	Shreyas Dinesh Gondal	Ramnararin Ruia autonomous college	Solar
2	Shruti Manohar Gaikwad	Ramnarian Ruia college	Garage
3	Smit Shashank Save	Ramnarin Ruia autonomous college	Smit
4	Ashishkumar Yadav	Ramniranjan Jhunjhunwala college	*
5	Dr. Vinod Panchal	Royal College	Dowl
6	Abdul Kayum Chaudhary	Royal College	Charty
7	Shravya Sudhanshu Chitari	Ruia college	X-SPX
8	Dr. Sharad Kashinath Awate	SICES Degree College	Volg_
9	Dr. Vikas V Deshmane	SICES Degree College	Q.
10	Ansari Azra Parveen Mohammed Ismail	Siddharth college	J. Ave
11	Nikita Umesh Powar	Siddhartha college	3002
12	Shubham U.V Tanpathak	The Institute of Science	Gran
13	Kirti Pankaj Mhatre	The Institute of Science & Chinese & Chinese & Commerce	Ph
14	Vishakha Shinde	University of mumbai	acholeho.
15	Shweta Rajendra Nikumbh	University of Mumbai	(stilbunds)
16	Rushikesh Rajabhau Garje	University of mumbai	PROM
17	Borse Pratiksha Kailas	University of Mumbai	(P)
18	Khan Sarah Maftoon	Urban bank senior science college	Chief.
19	Dipti Deepak Gharat	Viva college Thakur college of	(103124)
20	Swati S.Dhumal	Viva college	Guna
21	Rutuja Hemant Sawant	Viva College	Rauent

22 Manisha Desipende.

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FITTR

Batch-II

Sr. No.	Full Name Of The Participant	Name of the College	Signature
1	Dr. Jyotsna Pandey	K c college, mumbai	The
2	Dr. Shaila M. Wagle	Kishinchand chellaram college	Me
3	Mrs. Priyanka M. Rodrigues	K.C. college, churchgate.	1,
4	Dr. Poonamlata S. Yadav	Maharashtra college	Block
5	Manish Ramharsh Gupta	N.e.s.ratnam college	mais
6	Riddhi Chandrakant Naik	Ram narayan Ruia college	Prot
7	Parth Joshi	Ramnarain Ruia autonomous college	4
8	Nitesh Pankaj Yadav	Ramnarain ruia autonomous college	Nitesh
9	Sarthak Vijay Rambade	Ramnarain ruia autonomous college	2
10	Amalkrishna Divakaran Chozhiyattil	Ramnarain ruia autonomous college	And .
11	Kunal Paresh Chavan	Ramnarain ruia autonomous college	Charle.
12	Anushka Harshad More	Ramnarain ruia autonomous college	amiente.
13	Anurag R. Yadav	Ramnarain ruia autonomous college	@went
14	Shardul Gore	Ramnarain ruia autonomous college	8pr
15	Aditya Jagendra Solanki	Ramnarain ruia autonomous college	dan-
16	Mr. Ramdasi Onkar Arun	Ramnarain ruia autonomous college	Gur
17	Tanvi Uday Gharat	Ramnarain ruia autonomous college	tstan.
18	Warik Shruti Ravindra	Ramnarain ruia college	Quarit
19	Renuka Anil Sonawane	Ramnarain ruia college	Canulay.
20	Kamruddin Gyassuddin Khan		
21	Sameer Shamim Ansari		

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Manishe Deshpande Jai Hind College

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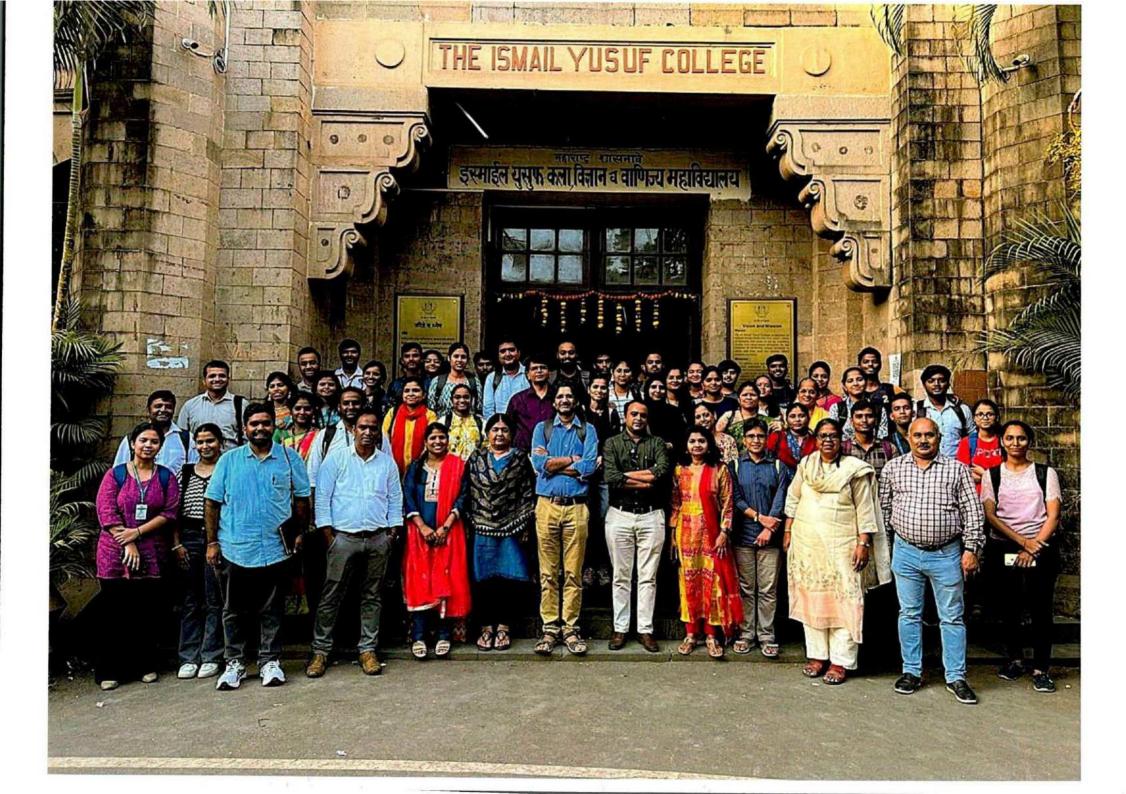
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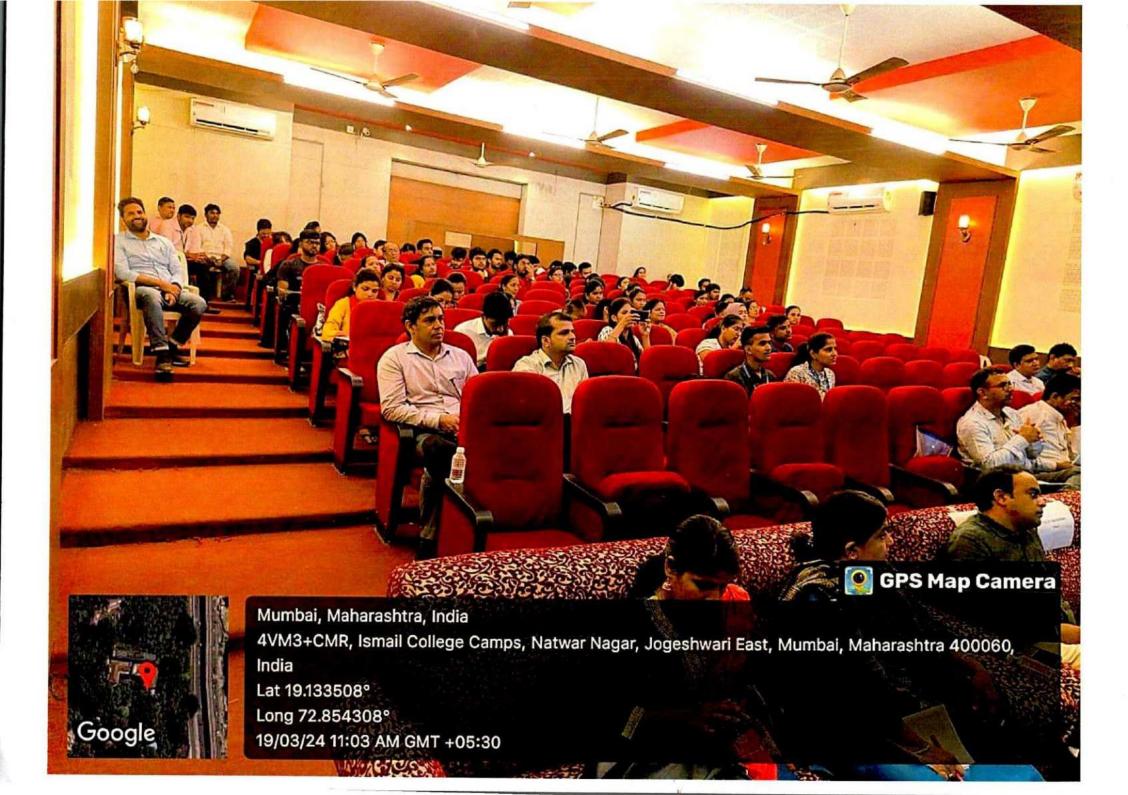
Jogeshwari (East), Mumbai- 400 060

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Batch-I

Sr. No.	Full Name Of The Participant	Name of the College	Signature
1	Sheetal Anil Jaiswal	Viva college of science	Jaim
2	Gauri Vaman Sunita Lahare	ICT Mumbai	Mahare
3	Rashmi V. Bordiwala	Patkar Varde college	
4	Harsha Kumavat	BARC	Horshufte.
5	Rohan Deepak Narkar	University of Mumbai	The m. Marker
6	Yugandhara Sanjay Waghode	University of Mumbai	
7	Tejas Sureshrao Hibare	University of mumbai	TEF
8	Srishti Tewari	ICT, Mumbai	510
9	Bhakti Umakant Joshi	ICT, Mumbai	9/63Natout
10	Kanchan Pawar	ICT, Mumbai	Those
11	Mr Oshnik Chandrakant Maurya	ICT, Mumbai	
12	Nikhil Vishwakarma	ICT, Mumbai	Malma.
13	Shubham Shivaji Burande	Institute of Science	End
14	Parth Tripathi	ICT, Mumbai	Bio
15	Sharad Dange	Jai Hind College	50
16	Shrawani Wadekar	Ruia College	48
17	Prasad Anand Ganesh	Ismail yusuf college	
18	Brijeshkumar Yadav	Institute of Science	(amin
19	Shruti Mohan Chipkar	Ismail yusuf college	2
20	Dr. Manisha Deshpande	Jai hind college	Type













Introduction: Crystallography- Short revisit

Description of Crystallographic Structures

Unit Cell

Smallest repeating unit capable of describing the entire crystal by means of three non-parallel translation vectors.

The 7 Crystal Systems

System	.c. symmetry	unit cell parameters	Dan France For
cubic hexagonal trigonal* tetragonal orthorhombic monoclinic triclinic	m-3m 6/mmm 3/mmm 4/mmm : mmm 2/m -1	$\begin{array}{lll} a=b=c & \alpha=\beta=\gamma=90^{\circ} \\ a=b\neq c & \alpha=\beta=90^{\circ} \gamma=\\ a=b\neq c & \alpha=\beta=90^{\circ} \gamma=\\ a=b\neq c & \alpha=\beta=\gamma=90^{\circ}\\ a\neq b\neq c & \alpha=\beta=\gamma=90^{\circ}\\ a\neq b\neq c & \alpha=\gamma=90^{\circ} \beta\neq\\ a\neq b\neq c & \alpha\neq\beta\neq\gamma\neq90^{\circ} \end{array}$	90°

^{*} also described as rhombohedral:



