



**Anjuman Khairul Islam's**

**POONA COLLEGE OF ARTS, SCIENCE & COMMERCE**

- Affiliated to Savitribai Phule Pune University: ID No PU/PN/ASC/023/1970
- Junior College Index No: J-11.15.004
- Government of Maharashtra and Savitribai Phule Pune University Recognized Minority Institute
- UGC - 2(f) & 12 (B) Status • NAAC Re-accredited College • DST - FIST Funded College



K. B. Hidayatullah Road, Camp,  
Pune - 411001. (MS), India



+91-20-2645 4240 / 2644 6319.



[www.poonacollege.edu.in](http://www.poonacollege.edu.in)  
[principal@poonacollege.edu.in](mailto:principal@poonacollege.edu.in)

**E-copy of letter/s indicating  
financial assistance to  
teachers and list of teachers  
receiving financial support  
under each head duly sign by  
Principal during academic  
year**

**2019-2020**



Anjuman Khairul Islam's

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www.poonacollege.edu.in

## Professor (Dr.) Aftab Anwar Shaikh

M.Com, Ph.D (Busi. Admin.)

PRINCIPAL

### 6.3.2 – List of Teachers Received Financial Support

Academic Year – 2019-20

Sr. No	Name of teacher	Amount of support received (in INR)
1.	Mr. Iqbal N. Shaikh	2000/-
2.	Mr. Iqbal N. Shaikh	800/-
3.	Mr. Mohd Abdul Quddus	800/-
4.	Mr. Farooque Yasin Shaikh	800/-
5.	Dr. Arunkumar Walunj	3000/-
6.	Dr. Aafreen A. Ahmed	900/-
7.	Dr. Aafreen A. Ahmed	1990/-
8.	Dr. Reshma Patil	2000/-
9.	Mr. Vakeel Sayyed	500/-
10.	Dr. Arif M. Tamboli	5500/-
11.	Mr. Iqbal N. Shaikh	2000/-
12.	Dr. Avinash Singh Thounaojam	2000/-
13.	Dr. F.M.D. Attar	2000/-

Principal  
AKI'S Poona College of Arts,  
Science & Commerce  
Camp, Pune.





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## Professor (Dr.) Aftab Anwar Shaikh

M.Com, Ph.D (Busi. Admin.)

PRINCIPAL

14.	Dr. Fazeel Shaikh	2000/-
15.	Dr. Aftab Anwar Shaikh	1500/-
16.	Dr. Gulnawaz Usmani	3900/-
17.	Dr. Gulnawaz Usmani	1500/-
18.	Mrs Shaikh Mehrunisa Malik	100/-
19.	Mr. Sayyed Vakeel	1000/-
20.	Dr. Nasrin Khan	1000/-
21.	Dr. Shirin Shaikh	1000/-
22.	Mr. Akbar Sayyed	1000/-
23.	Dr. Riyasat Peerzade	1000/-
24.	Dr. Hamed Hashmi	1000/-
25.	Mr. Aqueel Bajajwala	1000/-
26.	Mr. Faheemuddin Ahmed	1000/-
27.	Mr. M.S Atre	1000/-
28.	Mr. Imran Mirza	1000/-
29.	Mr. Moeen Sayyed	1000/-

Principal  
AKI'S Poona College of Arts,  
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## Professor (Dr.) Aftab Anwar Shaikh

M.Com, Ph.D (Busi. Admin.)

PRINCIPAL

30.	Mr. Rizwan Sayed	1000/-
31.	Mr. Brahmanekar	1000/-
32.	Ms. Deepika k	1000/-
33.	Ms. Reshma Patil	1000/-
34.	Mrs. Shabana Mulla	1000/-
35.	Ms. Alfiya Pathan	1000/-
36.	Dr. Eram Khan	1000/-
37.	Ms. Fayeza Shaikh	1000/-
38.	Ms. Heena Sayyed	1000/-
39.	Ms. Sonika Suman	1000/-
40.	Ms. Wafiya Wahid	1000/-

Principal

Principal

AKI'S Poona College of Arts,  
Science & Commerce  
Camp, Pune.





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**Professor (Dr.) Aftab Anwar Shaikh**

M.Com, Ph.D (Busi. Admin.)

PRINCIPAL



+91 98226 21579



[dranwarshaikh@gmail.com](mailto:dranwarshaikh@gmail.com)

## CRITERION- VI

<b>KEY INDICATOR</b>	<b>6.3 Faculty Empowerment Strategies</b>
<b>METRIC NO.</b>	<b>6.3.2</b>

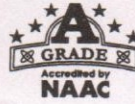
- Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

**PROOF OF FINANCIAL SUPPORT PROVIDED  
TO TEACHERS TO ATTEND CONFERENCE,  
WORKSHOPS DURING THE ACADEMIC YEAR**

**2019-20**



Anjuman Khairul Islam's  
**POONA COLLEGE**  
 OF ARTS, SCIENCE & COMMERCE  
 (Affiliated to University of Pune)



NIS

2618119

Paid to Iqbal N. Shaikh

K.B. Hidayatullah Road, Camp, Pune - 411001. Tel. : 020-26454240 / 26446319

PARTICULARS	Rs.	Ps.	Date
Cash / Cheque No. <u>000429</u>			<u>10/08/2019</u>
Being amount paid towards registration fees for National Conference at Modern College & one day workshop at H.V. Desai College as per attached detail enclosed.	<u>2000</u>	<u>800</u>	
<b>₹ Two thousand Eight hundred only</b>	<b>TOTAL</b>	<b>2800</b>	

Voucher No. \_\_\_\_\_  
 Debit A/c \_\_\_\_\_  
 Cash Folio No. \_\_\_\_\_  
 Petty Cash Folio No. \_\_\_\_\_  
 Ledger Folio No. \_\_\_\_\_  
 Remarks \_\_\_\_\_

*(Signature)*

Gen.Sec./ Trustee

Principal

Accountant

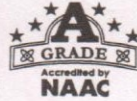
H.O.D.

Registrar

Receiver's Signature



Anjuman Khairul Islam's  
**POONA COLLEGE**  
 OF ARTS, SCIENCE & COMMERCE  
 (Affiliated to University of Pune)



Paid to **Mr. Iqbal N. Shaikh**  
 Vice Principal & Head  
 Department of Chemistry  
 Y & M AKI's Poona College,  
 of Arts, Science & Commerce, Pune-1.

K.B. Hidayatullah Road, Camp, Pune - 411001. Tel. : 020-26454240 / 26446319

PARTICULARS	Rs.	Ps.	Date <u>30/07/2019</u>
Cash / Cheque No.			Voucher No. _____
Amount being paid towards registration fee for attending National conference at Modern College Ganeshkhind on 26 <sup>th</sup> July 19	2000	00	Debit A/c _____
Sponsored by NAAC, SPPU, CEDA, IQAC cluster.			Cash Folio No. _____
			Petty Cash Folio No. _____
			Ledger Folio No. _____
			Remarks _____
₹ <u>Two thousand only</u> TOTAL	2000	00	

Gen.Sec./ Trustee

Principal

Accountant

H.O.D.

Registrar

Receiver's Signature

*Iqbal N. Shaikh*

PROGRESSIVE EDUCATION SOCIETY'S  
MODERN COLLEGE OF  
ARTS, SCIENCE AND COMMERCE  
GANESHKHIND, PUNE - 411 016

Original Receipt  
to  
Principal  
& copy of  
to

No. 4783

RECEIPT

Date: 26/7/19

Received from Shri / Smt. / Miss Poona College of Arts, Science & Commerce  
of F.Y. / S.Y. / T.Y. Arts / Science / Comm. / Class / Div. \_\_\_\_\_ Roll No. \_\_\_\_\_

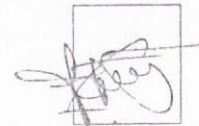
a sum of Rs. Two Thousand Only

On account of for National Seminars

By ~~Cash~~ / Cheque No. \_\_\_\_\_ dt. 17/07/2019

Drawn on (online)

Rs. 2000/-



CASHIER





Progressive Education Society's

## Modern College of Arts, Science & Commerce

Ganeshkhind, Pune 411016.

Re-Accredited by NAAC with 'A' grade

**Dr. Sanjay S. Kharat**

M.Sc., L.L.B., M.B.A., Ph.D.

Principal

- Permanently Affiliated to Savitribai Phule Pune University: PUN / PN / ASC / 089 (1992)
- UGC - Recognition No.: F-8-290 /2006(CPP-I)
- Best College Award by Savitribai Phule Pune University - 2013
- DST-FIST sponsored college
- STAR Status Award by DBT, Govt. of India

Tel.: 020 25634021, 25631091

Fax: 020 25650931

e-Mail: moderncollege16@gmail.com

Website: www.moderncollegegk.org

### Attendance Certificate

This is to certify that Mr Iqbal Shaikh  
has participated in One Day National Seminar on **Innovative and Best Practices in higher Education** (NAAC related Mentoring Programme for Colleges) in collaboration with National Assessment and Accreditation Council, Bangalore (NAAC) and Savitribai Phule Pune University, Co-organized with IQAC Cluster India & CEDA on **Friday, 26<sup>th</sup> July 2019**, at Modern College of Arts, Science & Commerce College, Ganeshkhind, Pune - 411016.

**Dr. Sanjay S. Kharat**

Principal



Progressive Education Society's  
**MODERN COLLEGE OF ARTS, SCIENCE & COMMERCE**

Ganeshkhind, Pune - 411016

organizes

**One-Day National Seminar on  
Innovative and Best Practices in Higher Education**

(NAAC related Mentoring Programme for Colleges)

in collaboration with

**National Assessment and Accreditation Council (NAAC), Bangalore and Savitribai Phule Pune University**

**Co-organized with IQAC Cluster India & CEDA**

# Certificate

This is to certify that Mr. Iqbal Shaikh of  
AKIS Poona college of Arts Science and Commerce has actively participated /  
Worked as Resource Person in one day National seminar on **"Innovative and Best Practices in Higher Education"**  
organized on 26<sup>th</sup> July 2019 at P. E. Society's Modern College of Arts, Science & Commerce, Ganeshkhind, Pune - 411016

**Dr. Gajanan Ekbote**  
Chairman, Business Council,  
P. E. Society, Pune 411005

**Dr. S. C. Sharma**  
Director,  
NAAC, Bangalore

**Prof. Aniruddha Deshpande**  
Chairman,  
CEDA, Pune

**Prof. Peeyush Pahade**  
Founder Member  
IQAC Cluster India,  
Pune

**Dr. Sanjay Kharat**  
Principal,  
Modern College of Arts, Science &  
Commerce, Ganeshkhind, Pune 411016.

PROGRESSIVE EDUCATION SOCIETY'S  
**MODERN COLLEGE OF  
ARTS, SCIENCE AND COMMERCE**  
GANESHKHIND, PUNE - 411 016

No. **4783**

**RECEIPT**

Date : 26/7/19

Received from Shri / Smt. / Miss Peona College of Arts, Science & Commerce  
of - F.Y. / S.Y. / T.Y. Arts / Science / Comm. / Class / Div. \_\_\_\_\_ Roll No. \_\_\_\_\_

a sum of Rs. Two Thousand Only \_\_\_\_\_

On account of for National Seminars \_\_\_\_\_

By Cash /  Cheque No. \_\_\_\_\_ dt. 17/07/2019

Drawn on (online) \_\_\_\_\_

Rs. 2000/-



CASHIER



Progressive Education Society's  
**MODERN COLLEGE OF ARTS, SCIENCE & COMMERCE**

Ganeshkhind, Pune, - 411 016

organizes a  
**One Day National Seminar on  
Innovative and Best Practices  
in Higher Education**

(NAAC related Mentoring Program for Colleges)

in collaboration with  
**National Assessment and Accreditation Council, Bangalore  
(NAAC)**

and  
**Savitribai Phule Pune University**

Co-organized with  
**IQAC Cluster India & CEDA**

**Chief Patron**

**Prof. Aniruddha Deshpande**  
Chairman,  
CEDA, Pune.

**Dr. Gajanan Ekbote**  
Chairman, Business Council,  
P. E. Society, Pune 411005.

**Convener**

**Dr. Devender Kawday**  
Dy. Advisor, NAAC  
Bangalore

**Dr. Sanjay Kharat**  
Principal,  
PES Modern College of Arts, Science & Commerce,  
Ganeshkhind, Pune 411016.

**Prof. Peeyush Pahade**  
Founder Member,  
IQAC Cluster India,  
Pune.

**Friday, 26<sup>th</sup> July 2019. 9.00 a.m. to 5.30 p.m.**

**Register your participation on**  
<https://www.moderncollegegk.org/NationalSeminar>

*IQAC Gorkhote  
to attend*

## Theme of the Seminar

Accreditation of HEIs in India is taking a significant turn due to the new policies of the HRD Ministry. Several controlling bodies are changing their policies. These include the HRD Ministry, UGC, AICTE and RUSA.

Accreditation is now a primary requirement for all HEIs and serves as a yardstick for institutional performance. NAAC and NBA are the primary accreditation agencies in India. NAAC has changed its parameters and method of assessment in 2017, from a primarily subjective to a predominantly objective assessment system.

In light of this, the *PARAMARSH (Counseling)* Scheme has been launched by the UGC, after completion of deliberations in November 2018. It was felt that many HEIs are not performing well in the NAAC assessment and accreditation process, eventually securing poor grades. The *PARAMARSH* Scheme will select top Universities in India to mentor NAAC-aspirant colleges that have failed to secure good grades, with a target that all HEIs in India shall get NAAC accredited by 2022 with a minimum score of 2.5 out of 4.

The recently drafted National Education Policy envisages a revamped accreditation ecosystem led by a revamped NAAC. NAAC would become a completely independent and autonomous body given the responsibility of overseeing accreditation of all institutions of higher education, across all disciplines and fields. Besides functioning as the top level accreditor, it will also issue licenses to institutions, which would be called 'Accreditation Institution', to cope with the aim of accrediting every HEI once in five / seven years, and achieving the target by around 2022.

In this context, this Seminar will serve as a cornerstone for the initiation of the mentoring process, especially in Maharashtra.

## Expected Outcome of the Seminar

- Bringing major national Quality Assurance agencies (UGC, RUSA and NAAC) on the same platform for meaningful interaction with HEIs.
- Creation of the expected Mentor-Mentee teams for consistent and perpetual assistance and monitoring for Quality Assurance of HEIs.
- Provide an *Expert Group* for such activities through the *IQAC Cluster India*.

## The Organizers:

### P. E. Society's **Modern College of Arts, Science and Commerce:**

The College is one of the most prestigious institutions permanently affiliated to the Savitribai Phule Pune University (SPPU). It truly embodies the spirit of "Progressive" with 5000+ students enrolled across 21 undergraduate, 10 postgraduate and some Ph.D. courses. Being the first college (under the SPPU) to be awarded the DBT-Star College Status and also the DST-FIST Program, the college has won accolades such as Best College Award, Best Principal Award (Dr. Sanjay S. Kharat), Best Program Program Officer Award for Student Welfare Board, Best NSS Unit and the prestigious State Level Award for Excellence in Energy Conservation and Management (for Green Educational Institute) by the Maharashtra Energy Development Agency (MEDA).

Principal Dr. Sanjay Kharat has been keenly involved in the drive for quality consciousness in colleges and a strong driving force behind the organization of this Seminar.

## IQAC Cluster India

*IQAC Cluster India* is a movement initiated by a group of enterprising IQAC coordinators from colleges in Pune, who took an initiative to work for quality promotion and assurance and to encourage a quality culture in Maharashtra and other States in India. The motto of this movement is "Co-operation Not competition". The objective of the *Cluster* is to create a trained and high-performing IQAC in all HEIs. Several FDPs, Workshops and Counseling Sessions have been conducted by this group in Maharashtra, New Delhi and Karnataka.

Through such Programs, the *IQAC Cluster India* has collaborated with RUSA (Maharashtra) to conduct One-week Training Programs for IQAC Coordinators at the University of Mumbai and Savitribai Phule Pune University; around 50 FDPs in Colleges in Maharashtra; more than 25 National and State Level Conferences in Maharashtra and New Delhi.

The *IQAC Cluster India* has become a virtual support system for IQACs of several colleges and offers 24x7 support through *WhatsApp* and *Telegram* groups created for the purpose.

## Centre for Education Development Administration (CEDA):

CEDA is a unique initiative which aims at facilitating the various stakeholders of Higher Education in the area of Quality Enhancement and Quality Sustenance. Over several years, CEDA has worked with a number of colleges and institutes for the same. Apart from consultation for quality assurance, training programs for various stakeholders of HEI has been a major concern at CEDA. This has indeed been a learning experience for all of us at CEDA and we are happy to share our experiences, perceptions and insights into issues and concepts related to Higher Education.

## Who should attend:

Principals and IQAC Coordinators of all University affiliated and autonomous colleges and IQAC Directors of Universities in India.

## Registration

Registration for the Seminar is on a first-cum-first-served basis. Registration will be closed after 200 institutional registrations (2 persons per institution Principal and IQAC Coordinator of the College) are received.

**Registration Fees for the Seminar are Rs. 2000/- (Rupees Two Thousand) per institution (even if only one person attends).**

Registration Fees are to be paid on-line. Registration Fees include hospitality through the duration of the Seminar. Registration Fees do not include TA / DA for the participants. Accommodation facilities will not be provided for by the organizers ((PES Modern College of Arts, Science and Commerce, Ganeshkhind, Pune 411016).

**The Registration Form should be submitted on or before 20<sup>th</sup> July 2019. No late registration requests will be entertained.**

**On-line Registration is to be done on:**

<https://www.moderncollegegk.org/NationalSeminar>

## Advisory Committee

**Prof. Dr. Gajanan Ekbote,**  
Chairman, Business Council, P. E. Society, Pune

**Prof. A. B. Deshpande,**  
Chairman, CEDA, Pune

**Prof. Dr. Bhushan Patwardhan,**  
Vice Chairman, UGC, New Delhi

**Dr. S. C. Sharma,**  
Director, NAAC, Bangalore

**Dr. N. Gopukumar,**  
Joint Secretary, UGC, WRO, Pune

**Prof. Dr. Nitin Karmalkar,**  
Vice Chancellor, S. P. Pune University, Pune

**Prof. Dr. N. S. Umrani,**  
Pro-Vice Chancellor, S. P. Pune University, Pune

**Dr. V. P. Narkhede,**  
Joint Director, Higher Education, Pune Region, Pune

**Prof. S. S. Deshmukh,**  
Secretary, P. E. Society, Pune

**Prof. Mrs. J. G. Ekbote,**  
Jt. Secretary, P. E. Society, Pune

**Prof. S. V. Todkar,**  
Jt. Secretary, P. E. Society, Pune

**Dr. P. G. Dixit,**  
Dy. Secretary, P. E. Society, Pune

**Friday, 26<sup>th</sup> July 2019. 9.00 a.m. to 5.30 p.m.**

**Venue: Progressive Education Society Auditorium**  
Next to PES Modern College of Engineering, Shivaji Nagar, Pune 411005.

**Register your participation on** <https://www.moderncollegegk.org/NationalSeminar>

**Note: Last Date of Registration: 20<sup>th</sup> July 2019. On-spot registration will not be entertained**

### Contact Persons: Co-convenor

Parag S. Shah (Mob. 09881313944) E-Mail: iqacmodernkg@gmail.com  
Peeyush M. Pahade (09922995186) Dr. B. D. Bhole (09970302467)  
Bharat Kangude (09890106937) Dr. R. A. Pawar (09850127840)



Progressive Education Society's

**MODERN COLLEGE OF ARTS, SCIENCE & COMMERCE**

**Ganeshkhind, Pune, - 411 016**

Website : [www.moderncollegegk.org](http://www.moderncollegegk.org) e-Mail : [info@moderncollegegk.org](mailto:info@moderncollegegk.org)

Phone : (020) 25634021 Fax : (020) 25650931



**SHREE CHANAKYA EDUCATION SOCIETY'S**  
**INDIRA COLLEGE OF COMMERCE & SCIENCE**  
'Dhruv', 89/2 - A, New Pune - Mumbai Highway, Tathawade, Pune - 411 033, India.  
GSTIN. 27AAETS6660C1ZF

**CASH RECEIPT**

Receipt No

30046

Date

10/8/19

Received With Thanks From

Mohd. Abdul  
Qudus

A Sum of Rupees

Three Hundred only

MSc Syllabus  
fest. workshop.

Rs.

300/-

HSN /SAC	Taxable Value	Central Tax	State Tax	Total Tax
999241	Nil	Nil	Nil	Nil

GST Amount in Words :

\*\*GST Exempted under Notification No. 12/2017 Dt.28th June 2017

Receiver's Sign





# INDIRA COLLEGE OF COMMERCE & SCIENCE

Shree Chanakya Education Society's  
Affiliated to Savitribai Phule Pune University  
Accredited 'A' Grade by NAAC



## Certificate

ONE DAY WORKSHOP ON

### Syllabus Restructuring for M.Sc. (Computer Science) Sem - I

This is to certify that Prof. /Dr. Guddus Mohammed Abdul  
College POONA College CAMP Pune

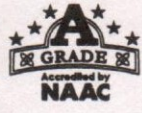
has Participated in one day workshop on Syllabus Restructuring for M.Sc. (Computer Science) Sem-I organized by **Indira College of commerce and science, Pune - 411033, on 10th August 2019, under Savitribai Phule Pune University.**

**Dr. Janardan Pawar**  
Principal In Charge

**Prof. Shivendu Bhushan**  
Vice Principal



Anjuman Khairul Islam's  
**POONA COLLEGE**  
 OF ARTS, SCIENCE & COMMERCE  
 (Affiliated to University of Pune)



PAID TO HAROOQUE Y SHAIKH  
COMPUTER SCIENCE  
 ₹ 25110119

K.B. Hidayatullah Road, Camp, Pune - 411001. Tel. : 020-26454240 / 26446319

PARTICULARS	Rs.	Ps.	
Cash / Cheque No.			Date <u>28/08/19</u>
Amount Paid Towards			Voucher No. _____
17 Registration Fee	300	00	Debit A/c _____
27 LC	500	00	Cash Folio No. _____
to attend one day workshop			Petty Cash Folio No. _____
regarding M.S.C (C.S) syllabus			Ledger Folio No. _____
restricting at			<b>CASH PAID</b>
Indira College Wakad, Pune.			Remarks <u>[Signature]</u>
(Photocopy, original receipt & certificate attached)			Date: <u>[Signature]</u>
₹ <u>Eight hundred only</u>			A/c: _____
<b>TOTAL</b>	<b>800</b>	<b>00</b>	

[Signature]  
 Harooque Y Shaikh  
 28/8/19

\_\_\_\_\_  
 Gen.Sec./ Trustee

[Signature]  
 Principal

[Signature]  
 Accountant

[Signature]  
 H.O.D. Registrar

\_\_\_\_\_  
 Receiver's Signature



**SHREE CHANAKYA EDUCATION SOCIETY'S**

**INDIRA COLLEGE OF COMMERCE & SCIENCE**

'Dhruv', 89/2 - A, New Pune - Mumbai Highway, Tathawade, Pune - 411 033, India.

GSTIN: 27AAET86660C1ZF

**CASH RECEIPT**

Receipt No **30047**

Date **10/8/19**

Received With Thanks From **Farooque Masin Shaikh**


A Sum of Rupees **Three Hundred only**  
**MSC Syallab -**  
**fest. workshop.**

Rs. **300/-**

HSN /SAC	Taxable Value	Central Tax	State Tax	Total Tax
999241	Nil	Nil	Nil	Nil

GST Amount in Words :

\*\*GST Exempted under Notification No.12/2017 Dt.28th June 2017

  
Receiver's Sign



# INDIRA COLLEGE OF COMMERCE & SCIENCE

Shree Chanakya Education Society's

Affiliated to Savitribai Phule Pune University

Accredited 'A' Grade by NAAC



# Certificate

ONE DAY WORKSHOP ON

## Syllabus Restructuring for M.Sc. (Computer Science) Sem - I

This is to certify that Prof. /Dr. SHAIKH FAROOQUE YASIN  
College POONA College CAMP PUNE.

has Participated in one day workshop on Syllabus Restructuring for M.Sc. (Computer Science) Sem-I organized by Indira College of commerce and science, Pune - 411033, on 10th August 2019, under Savitribai Phule Pune University.

**Dr. Janardan Pawar**  
Principal In Charge

**Prof. Shivendu Bhushan**  
Vice Principal

# सावित्रीबाई फुले पुणे विद्यापीठ



## वित्त व लेखा विभाग परिपत्रक क्र.१६८/२०१९

विषय : स्थानिक प्रवासभत्ता व स्वतःचे वाहन वापराच्या दर वाढीबाबत...  
संदर्भ : परिपत्रक क्र. वित्त/२०१३-१४/२५ दि. ०१/०४/२०१४.  
परिपत्रक क्र. वित्त/२०१०-११/११८० दि. ०६/०९/२०१०.

या परिपत्रकाद्वारे सर्व संबंधित सन्माननीय सदस्यांना कळविण्यात येते की, विद्यापीठ अधिकार मंडळाने घेतलेल्या निर्णयानुसार सावित्रीबाई फुले पुणे विद्यापीठ प्रवास व दैनिक भत्ता नियम यामध्ये खालीलप्रमाणे बदल करण्यात आला आहे.

### ५) स्थानिक प्रवासभत्ता :

५.२) विद्यापीठाच्या कामासाठी पुणे येथे येणाऱ्या स्थानिक सदस्यांना एक दिवसासाठी स्थानिक प्रवासभत्ता म्हणून रू.५००/- देय होईल.

### व्याख्या : स्थानिक :

पुणे महानगरपालिका/पिंपरी चिंचवड महानगरपालिका/पुणे लष्कर/खडकी लष्कर विभाग तसेच सावित्रीबाई फुले पुणे विद्यापीठापासून २५ किलोमीटर परिघ.

### ८.७) स्वतःचे वाहन वापरासाठी किलोमीटर भत्ता:

मालकीच्या अथवा भाड्याच्या वाहनातून प्रवासासाठी किलोमीटर भत्त्याचे दर खालीलप्रमाणे.

अ.क्र.	वर्णन	दर
१	स्वतःचे/भाड्याचे पेट्रोल वाहन दर	रू. १०/- (प्र. कि.मी)
२	स्वतःचे/भाड्याचे डिझेल/सी.एन.जी. वाहन दर	रू. ८/- (प्र. कि.मी)
३	व्यवस्थापन परिषद सदस्य व विद्याशाखांचे अधिष्ठाता	रू. १३/- (प्र. कि.मी)

सदर दर दिनांक : ११/०७/२०१९ पासून लागू होईल.

गणेशखिंड, पुणे - ४११००७.

जा.क्र. वित्त/२०१९-२०/५१०

दिनांक : ११ जुलै, २०१९

(सीए अतुल पाटणकर)  
वित्त व लेखा अधिकारी

प्रत : माहितीसाठी व योग्य त्या कार्यवाहीसाठी :

१. मा. विभागप्रमुख/संचालक, सर्व शैक्षणिक विभाग, सावित्रीबाई फुले पुणे विद्यापीठ ) यांना विनंती करण्यात येते की, आपल्या विभागामधील शिक्षक व शिक्षकेतर सेवकांच्या निदर्शनास प्राधान्याने सदरचे परिपत्रक आणावे.
२. मा. प्रशासकीय अधिकारी, सर्व प्रशासकीय विभाग, सावित्रीबाई फुले पुणे विद्यापीठ )
३. मा. प्राचार्य/संचालक, विद्यापीठाशी संलग्न असलेली सर्व महाविद्यालये/संस्था, )

NIS

01/10/19



Anjuman Khairul Islam's  
**POONA COLLEGE**  
OF ARTS, SCIENCE & COMMERCE  
(Affiliated to University of Pune)



Paid to Dr. Arunkumar Walun

K.B. Hidayatullah Road, Camp, Pune - 411001. Tel. : 020-26454240 / 26446319

PARTICULARS	Rs.	Ps.	Date <u>11/09/2019</u>
Cash / Cheque No. <u>000452</u>			Voucher No. _____
Being amount paid towards reimbursement of Registration fees paid for paper presentation during 5th International Conference on Recent Development in Science Humanities & Management 2019 held on 18/08/2019 at Dona Paula, Goa	3000=10		Debit A/c _____
₹ <u>Three thousand only</u> TOTAL	3000=10		Cash Folio No. _____
			Petty Cash Folio No. _____
			Ledger Folio No. _____
			Remarks _____

*Arunkumar Walun*  
11/10/2019

\_\_\_\_\_  
Gen.Sec./ Trustee

*[Signature]*  
Principal

\_\_\_\_\_  
Accountant

\_\_\_\_\_  
H.O.D.

\_\_\_\_\_  
Registrar

Receiver's Signature

Date: 27<sup>th</sup> August 2019

m/s

To,  
The Principal,  
Poona College,  
Camp, Pune - 411001.

Ref: 5<sup>th</sup> International conference on Recent Developments in Science, Humanities & Management, 2019 (ICRDSHM-19)

Sub: Reimbursement of registration fee paid towards paper presentation during international Conference.

Dear Sir,

Please find enclosed herewith Certificate and registration receipt @Rs.3000/-paid towards presentation of my research Paper entitled "Detection of Hazardous Gas Leakage Source Relative Signal Strength based Localization using WSN" held on 18/08/2019 at The International Centre, Dona Paula, Goa.

+ Rs 150  
online Internet  
charges  
Total Rs 3150/-  
only  
Walunj

Kindly do the needful and issue the same.

Thank you & regards.

Yours faithfully,

*Walunj*

Dr. A. K. Walunj  
Associate Professor  
Dept. of Electronic Science

Dr. Zorof.  
Reg. fee

Registrar  
Be  
28/07/2019.

forwarded  
Walunj  
25/8/19.

Verified  
Remark if any

Accountant Sign.

Ac's To Pay

Principal

**5th International Conference on Recent Developments in Science,  
Humanities & Management-2019  
(ICRDSHM-19)**

Venue: The International Centre Goa, Dr. E Borges Road, Dona Paula, Panjim, Goa(India)

Date: 18th August 2019

Date: 14/08 /2019

Dear **Prof. Dr. Arunkumar K. Walunj**

We are pleased to invite you as a **Keynote Speaker on the title *Emerging Trends in Science & technology world wide perspectives*** for the "**5th International Conference on Recent Developments in Science, Humanities & Management-2019 (ICRDSHM-19)**" scheduled on **18th August 2019** at The international Centre Goa, Dr. E Borges Road, Dona Paula, Panjim, Goa(India)

This Conference will be a joint effort of the GIET & Conference World.

The Conference deliberations will be on the following themes:

- Engineering & Technology
- Future Science
- Management

This Conference will examine research and development both locally and internationally. We believe your voice would be a critical addition to the stage. Your expertise and knowledge in the area would add a great value to the event.

We look forward to your presence.

Thanks & Regards,

*Yogendra Singh*

Dr. Yogendra Singh

**A. R. Research Publication** —  
**International Research Publication** —



International Award Conference on Multidisciplinary Innovation  
(India Independence Awards-2019)

The International Centre Goa, Dona Paula, Panjim, Goa (India)

Date of Award Ceremony: 18th August 2019

Innovation (India Independence Awards-2019) at **The International Centre  
Goa, Dona Paula, Panjim, Goa (India)** on **18th August 2019**.

As, you are a symbol of success and inspiration for all, your presence and thought provoking words will be a source of motivation for them. It would be a huge surprise for them to see you as Guest of Honor in between them.

We are happy to tell you that we have received a good number of nominations of researchers, academicians for award ceremony across the Globe.

It will be a great pleasure to us if you send your concern.

**With Best regards**

*Ashish Dutt Sharma*

**Yours sincerely,**

Dr. Ashish Dutt Sharma (Director)

G.I.E.T., Kota

Mobile: +91-8395031010

[www.iardo.com](http://www.iardo.com)

[www.gurukulkota.org](http://www.gurukulkota.org)

[www.conferenceworld.in](http://www.conferenceworld.in)

**Gurukul Institute of Engineering & Technology, Kota (India)**

**International Association of Research and Developed Organization (IARDO)**

[www.iardo.com](http://www.iardo.com), Email: [awards@iardo.com](mailto:awards@iardo.com) , [iardoawards@gmail.com](mailto:iardoawards@gmail.com), Mob: +91- 8395031010

## Registration Form cum Copyright form

(To be filed in word file, all entries are compulsory)

# 5th International Conference on Recent Developments in Science, Humanities & Management-2019 (ICRDSHM-19)

Venue : **The International Centre Goa, Dr. E Borges Road,  
Dona Paula, Panjim, Goa(India)**

Conference Date: 18th August 2019

Email: [submission@goaconference.com](mailto:submission@goaconference.com)

Name of corresponding author:	Dr. Arunkumar K. Walunj
Designation/Institution of corresponding author:	Associate Professor Dept of Electronic Science, Poona College, Camp, Pune 411001
Number of authors:	01
Paper ID:	ICG Goa/August 2019 /1008
Mode of payment:	On line Transferred PAYU Gateway
(Details of your account)Bank Name: Branch Name: Branch Code: (In case of direct cash deposit)	--
Name of your bank account holder: Transaction ID or UTR or Reference no: (In case of NEFT or Net banking or IMPS )	--
Transaction ID generated ( In case of using PAYU payment Gate Way:	Your transaction with <a href="http://www.conferenceworld.in">www.conferenceworld.in</a> was successful Transaction ID: confrence_5d41c980d6220 Merchant Website: <a href="http://www.conferenceworld.in">www.conferenceworld.in</a>
Transaction ID generated (In case of PAYTM)	--
Total amount deposited:	Amount Paid: 3150.00
Date of Deposition:	Order Date: 2019-07-31 22:31:48
Detailed Indian Address with name (For Hard copy of certificates):	Dept. of Electronic Science, Poona College, Opp. New Modikhana, Camp, Pune
Pincode:	411001
Mobile:	9822194957
Are You Coming to the day of conference at venue	Yes

### Non- Author Participation (Only for attending the conference)

Registration Kit, Refreshment and Hard copy of certificate of attending the conference, Fee: 1500 INR/50 USD

Good News for all the active and regular authors of conference world: Special Award "Active Young Researcher Award"

To avail the same kindly send the link of old 3 published papers with us

Link 1:

Link 2:

Link 3:

### Fee Details:

Sr. No	Particulars	Amount	Enter your details
2.	Registration fee for single (Indian Author coming to Goa ) <b>Publication in conference proceeding with ISBN and in peer reviewed Journal with ISSN and high impact factor</b>	INR 3000	Paid RS 3150.00 Via PayU Payment Gateway
5	<b>Select any one journal <a href="http://www.ijarse.com">www.ijarse.com</a> <a href="http://www.ijates.com">www.ijates.com</a> <a href="http://www.ijstm.com">www.ijstm.com</a>, <a href="http://www.ijrr.co.in">www.ijrr.co.in</a></b>	Paste the journal name	
6.	Each Extra Author	INR 500/ 30 USD Per author	
7.	Extra pages after 12 pages	100 INR per page/10 USD	
8.	Soft copy of the certificates to all authors	Free	
9.	Hard Copy of certificates (Optional)	100 INR per author	
10.	Soft copy of the Journal with ISSN	Free	
11.	Soft copy of the Conference Proceeding with ISBN	Free	
12.	Hard copy of Conference Proceeding with ISBN (Optional)	1000 INR/50 USD per proceeding	
	<b>Total amount paid</b>	INR 3000.00	INR 3150.00

\* If more than one author reports at the venue, he/she will be charged Rs 1000 for lunch and Kit it should informed us earlier for necessary arrangements, this money can be deposited prior in our account or paytm.

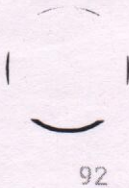
The undersigned hereby transfer any and all rights in and to the paper including without limitation all copyrights to Conference World (India). The undersigned hereby represents and warrants that the paper is original and that he/she is the author of the paper, except for material that is clearly identified as to its original source, with permission notices from the copyright owners where required. The undersigned represents that he/she has the power and authority to make and execute this assignment. I hereby state that I am the sole owner (or authorized agent of the copyright owners). I did not violate any copyright law to make this article. Only I will be responsible for any violation of copyright rule, if found.

This agreement is to be signed by at least one of the authors who have obtained the assent of the co-author(s) where applicable.

Signature (Paste Digital Sign) and date



Search mail



92

Unique Paper ID: ICG Goa/August 2019 /1008, Research



**Goa Conference**

to me

Dear Author,  
Unique Paper ID: ICG Goa/August 2019 /1008

Research Paper Status : Accepted

Detection of Hazardous Gas Leakage Source Relative Signal Strength based Localization us

Last Date of submitting the Publication Fee: 05/08/2019

Date of paper publication in International Journal: within 05 days after regi:

Date of paper publication in Conference Proceeding: within 03 days after coi

Kindly mail back the duly filled forms attached till the date mentioned

Send all three mentioned below in single mail.

1. Registration Form cum Copy Right form (Ms- Word)
2. Bank Transaction Proof/Slip
3. Reattach your final paper {In Ms-Word} We will not do any correct

*Recommended  
for Registration fee*

*BB  
31/07/2019*

## Registration Form cum Copyright form

(To be filed in word file, all entries are compulsory)

# 5th International Conference on Recent Developments in Science, Humanities & Management-2019 (ICRDSHM-19)

Venue : The International Centre Goa, Dr. E Borges Road,  
Dona Paula, Panjim, Goa(India)

Conference Date: 18th August 2019

Email: [submission@goaconference.com](mailto:submission@goaconference.com)

Name of corresponding author:	
Designation/Institution of corresponding author:	
Number of authors:	
Paper ID:	
Mode of payment:	
(Details of your account)Bank Name:	
Branch Name:	
Branch Code:	
(In case of direct cash deposit)	
Name of your bank account holder:	
Transaction ID or UTR or Reference no:	
(In case of NEFT or Net banking or IMPS )	
Transaction ID generated	
( In case of using PAYU payment Gate	
Way:	
Transaction ID generated	
(In case of PAYTM)	
Total amount deposited:	
Date of Deposition:	
Detailed Indian Address with name	
(For Hard copy of certificates):	
Pincode:	
Mobile:	
Are You Coming to the day of conference at	
venue	

**Non- Author Participation (Only for attending the conference)**

Registration Kit, Refreshment and Hard copy of certificate of attending the conference, Fee: 1500 INR/50 USD

Good News for all the active and regular authors of conference world: Special Award "Active Young Researcher Award"

To avail the same kindly send the link of old 3 published papers with us



www.conferenceworld.in

TIN/09991003214C

RECEIPT No. 721

Date: 12-08-2019

Name of Author (S). A. K. Walunj


Address Department of Electronic Science, Poona College, Camp, SPPU, Pune-411001(India)

Paper Title Detection of Hazardous Gas Leakage Source Relative Signal Strength based Localization using WSN

Paper ID Unique Paper ID: ICG Goa/August 2019 /1008

Amount (Publication Cum Registration Fee) 3000 INR



  
A.R. Research Publication  
3, Santpura, Govindpuri  
Modinagar-201201  
Distt. Ghaziabad (U.P.)  
Received by A R Research Publication



# UNIVERSITY LEVEL WORKSHOP

ON

F.Y. B.Sc. & M.Sc. I<sup>st</sup> CREDIT SYSTEM (BOTANY)

3<sup>rd</sup> September, 2019



This is to certify that Prof./Dr./Mr./Ms. *Aafreen A. Ahmed*.....  
...*Poona College, Camp, Pune*.....

has participated in one day "University Level Workshop on F.Y.B.Sc. & M.Sc. I<sup>st</sup> Credit System" (Botany) jointly organized by Savitribai Phule Pune University, Pune & Department of Botany, Arts, Commerce & Science College, Sonai on Tuesday 3<sup>rd</sup> September, 2019.

**Dr. Ashok Tuwar**  
Convener  
Head Dept. of Botany

**Dr. Balasaheb Gaykar**  
Chairman B.O.S. in Botany  
Savitribai Phule Pune University

**Dr. Shankar Laware**  
Principal  
Arts, Com. & Sci. College, Sonai



Dr. Babasaheb Ambedkar Marathwada University, Aurangabad  
Sponsored, and Organized by  
People's Education Society's (Mumbai)

# Milind College of Science, Aurangabad

National Conference On Recent Trends In  
**PLANT SCIENCE**

14<sup>th</sup> & 15<sup>th</sup> February, 2020

**Certificate**

This is to certify that Mr./Mrs./Miss./Dr. Aaffreen Abrar Ahmed  
of Poona College, Poona has participated in two days "National Conference on  
**Recent Trends In Plant Science**" organized by Department of Botany, Milind College of Science,  
Aurangabad on 14th & 15th February 2020 as a part of *Platinum Jubilee* celebration of **People's Education  
Society, Mumbai**. He/She has presented a paper entitled —  
\_\_\_\_\_

  
Dr. M. P. Kulthe  
Organizing Secretary

  
Dr. S. D. Rathod  
Principal & Convener



Date: 12/09/2020

To,

The Principal,

Poona College of Arts, Science & Commerce,

Pune – 411001.

**Subject:** Request for reimbursement of expenses incurred for attending Conference & Workshop.

Respected Sir,

With reference to the subject cited above, I, Dr. Aafreen A. Ahmed, am submitting herewith the details of expenditure incurred for attending:

1. University Level Workshop on FY B.Sc & M.Sc 1<sup>st</sup> Credit System (Botany) jointly organized by SPPU & Department of Botany, Arts, Commerce & Science College, Sonai. (3<sup>rd</sup> September, 2019)
2. National Conference on Recent Trends in Plant Science organized by Department of Botany, Milind College of Science, Aurangabad. (14<sup>th</sup> & 15<sup>th</sup> Feb, 2020)

I have attached receipts along with supporting documents for your record.

Sr. No.	Particulars	Expenses
1.	Travelling expenses (to & fro) a. Aurangabad b. Sonai	Rs. 495 x 2 = Rs. 990/- Rs. 250 x 2 = Rs. 500/-
2.	Registration fees a. Conference at Aurangabad b. Workshop at Sonai	Rs. 1000/- Rs. 400/-
	<b>Total</b>	<b>Rs. 2890/-</b>

Thanking You.

*Granted*  
*[Signature]*

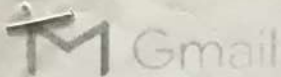
Yours faithfully,

*[Signature]*

Dr. Aafreen A. Ahmed

Assistant Professor

Department of Botany



Reshma Patil &lt;reshmapatil86@gmail.com&gt;

## Ethical Hacking Workshop - ISACA Pune

2 messages

**Eswar Muthukrishnan** <programs@isacapune.org>  
 To: members@isacapune.org, exmembers@isacapune.org

Wed, Aug 21, 2019 at 11:06 AM

ISACA Pune Chapter is conducting a one day workshop on Ethical Hacking for Web Applications and Mobile Applications.

When: September 8 2019

Time 9AM to 6 PM

Location: Mahratta Chamber of Commerce, Industries & Agriculture 1st Floor, Tilak Road, Pune 400 002

Schedule:

9AM to 1PM - Ethical Hacking of Web Application

1PM-2PM - Lunch - Hosted

2PM -6 PM : Ethical hacking of Mobile Applications

Tea with Biscuits will be served at 11AM and 4PM.

Payment of INR 2000/- per participant to be paid thru Neft or UPI whose details are given below:  
 Bank Account Name: ISACA Pune Chapter,

Name of the Bank: Saraswat Co-operative Bank Limited, Branch: Karve Road

S.B. A/c. No.: 036200100019496, IFSC Code: SRCB0000036, MICR Code: 411088005

UPI Details:- 036200100019496@SRCB0000036.ifsc.npci

(Please mention details of your Cheque no, UPI, NEFT reference in the registration form and also mail the same to office@isacapune.org)

CPE Eligibility: 7CPE

Requirement: Please bring your own laptops for the workshop. You should have admin rights to your laptop.

About Laptops, their config and OS i will let you know by end of this week.

Regards,  
 Eswar Muthukrishnan  
 Program Director  
 ISACA Pune Chapter  
 Mob- +918956409367  
 Follow us on Twitter | Facebook | Telegram

Ms. Reshma Patil  
 To attend.

B. Pravin

22/08/2019

Principal

Y & M AKI Poona College  
 of Arts, Science & Commerce, Pune-411001

# RECEIPT



Receipt No.:

Date: 18/9/19

Received with thanks from

Reshma Patil

Rupees (in words) Two thousand only.

By Cash / Cheque / NEFT No. 132520147 Drawn on

Dated 30/8/19

ITEM	Year	Amount
CISA / CISM / CGEIT / CRISC Study Circle		
CISA / CISM / CGEIT / CRISC / CSX Review course		
Workshop/Seminar 8 <sup>th</sup> Sept, 2019	19-20	1695
ITS Conference		
Other		
CGST: 152.5	SGST: 152.5	305
GST:	Total	2000/-

Registered under Societies Act No.: MAH / 545 / 99 / PUNE

GST No. : 27AAATI3647P1Z5

Receipt is issued subject to realization of cheque

For ISACA Pune Chapter

*Dhambane*  
Authorised Signatory

Registered Address : ISACA Pune Chapter : 1st Floor, MCCIA Building, Tilak Road, Near Swargate, Pune - 411002. Email: office@isacapune.org



Anjuman Khairul Islam's  
**POONA COLLEGE**  
 OF ARTS, SCIENCE & COMMERCE  
 (Affiliated to University of Pune)



Paid to Reshma Patil

K.B. Hidayatullah Road, Camp, Pune - 411001. Tel. : 020-26454240 / 26446319

PARTICULARS	Rs.	Ps.
Cash / Cheque No.		
Amount being paid for attending one day workshop of TSACA Pune chapter at Sunargate	2000/-	
₹ Two Thousand Only TOTAL	2000/-	

Date 13/09/2019  
 Voucher No. \_\_\_\_\_  
 Debit A/c \_\_\_\_\_  
 Cash Folio No. \_\_\_\_\_  
 Petty Cash Folio No. \_\_\_\_\_  
 Ledger Folio No. \_\_\_\_\_  
 Remarks \_\_\_\_\_

\_\_\_\_\_  
 Gen.Sec./ Trustee

M  
 Principal

\_\_\_\_\_  
 Accountant

Jayshree  
 H.O.D.

\_\_\_\_\_  
 Registrar

[Signature]

Receiver's Signature

Payment of INR 2000/- per participant to be paid thru Neft or UPI whose details are given below:  
 Bank Account Name: TSACA Pune Chapter

Name of the Bank: Saraswat Co-operative Bank Limited. Branch: Karve Road

S.B. A/c. No. 036200100019496. IFSC Code: SRCB0000036. MICR Code: 411082005

UPI Details - 036200100019496@SRCB0000036.ifsc.npci

## CERTIFICATE OF ATTENDANCE

This Certificate is issued to


Mr. / Ms. Reshma Patil

for attending the program Ethical Hacking for  
Web Applications and Mobile Applications

(Category - Lecture Meeting / Board Meeting / Seminar /  Workshop)

Of ISACA, Pune Chapter held on 8<sup>th</sup> Sep 2019

the participant is eligible for 7 CPE Hours

  
President / Education Director / Board Member

**ISACA PUNE Chapter \*TEAM WORK in ACTION\***

( \\_ / )

\\_ / \\_ /

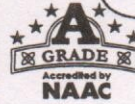
\*\*BEST Large Chapter WORLDWIDE - KW Snipes Award - for TWO consecutive year 2005 and 2006\*\*

\*\*BEST Chapter in ASIA - KW Snipes Award - for the years 2002, 2003, 2005, 2006, 2009 and 2010\*\*

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Anjuman Khairul Islam's  
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Asst. Prof. Sayyad Vakeel

Dept. of Commerce

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Theme: "Path for Success - Learn, Adapt & Accelerate"

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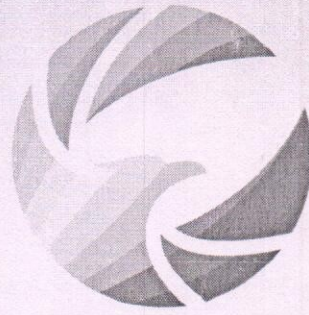
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17<sup>th</sup> JAN-2020

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The Principal,  
Poona College of Arts, Science and Commerce,  
Camp, Pune-411001

Sub: Remuneration paid as registration fees for International Conference.

Ref: Permission Letter Dated 20<sup>th</sup> Nov-2019 of Principal.

Respected Sir,

With reference to Letter dated 20<sup>th</sup> Nov-2019, I the undersigned Dr. Tamboli A M have attended the International Conference at Dr. Babasahab Ambedkar Marathwada University Aurangabad on 3<sup>rd</sup> and 4<sup>th</sup> JAN-2020 organized by RUSA of BAMU Aurangabad.

I have presented the research paper entitled "Impact of La<sup>3+</sup> Doped on Structural, Morphological, Dielectric and Electric Properties of Ni-Co Nanoferrites synthesized by sol gel Method" in the above mentioned conference.

I am enclosing the certificate of paper presented, details of fees paid and your permission letter. I request you pay the registration fees charges of Rs.5500/-. Kindly look in to matter and do the needful at your earliest.

Thanking you,

forwarded  
D. K. Kharil  
17/01/2020

Recommended  
B. B. B. B.  
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A/c  
A/c's To Pay  
Principal  
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Yours faithfully,

AM Y

Dr. A. M. Tamboli  
Associate Professor

Department of Electronic Science

9422084025

verified  
Remark if any

Accountant Sign.

20<sup>th</sup> Nov- 2019

To,  
The Principal,  
Poona College of Arts, Science and Commerce,  
Camp, Pune-411001

**Sub: Permission to submit the research paper and demand of registration fees.**

Respected Sir,

With reference to above mention subject I the undersigned wish to submit the research paper in the International conference organized by Dr. Babasaheb Ambedker Marathwada University, Aurangabad, Which is to be held on 03-04,JAN-2020.

The title of research paper is "Impact of La<sup>3+</sup> Doped on Structural, Morphological, Dielectric and Electric Properties of Ni-Co Nano ferrites synthesized by sol gel Method"

I request you to grant me only registration fees of Rs. 5500/- If the research paper is accepted. I will not demand for TA and DA for two days.

Thanking you,

Yours faithfully,

*Am 2*

Dr. A. M. Tamboli  
Associate Professor

Department of Electronic Science

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20/11/2019.*

*Approved  
20/11/2019*



International Conference on Recent Trends  
in Image Processing Pattern Recognition  
(RTIP2R), 3-4<sup>th</sup> Jan 2020

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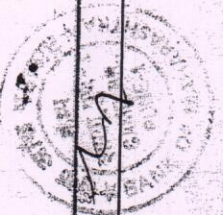
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3rd Biennial International Conference on Recent Trends  
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3rd & 4th Jan 2020

## CERTIFICATE OF PRESENTATION

This is to certify that, the author(s), Dr. Vasudeo Kulkarni\*, Dr. Arif Tamboli\* and Dr. Sopan Rathod\* of Department of Physics, Hutatma Rajguru Mahavidyalaya Rajguru Nagar Pune, has presented paper entitled Impact of La3+ Doped on Structural, Morphological, Dielectric and Electric Properties of Ni-Co Nanoferrites synthesized by sol gel Method, in the 3rd International Conference on Recent Trends in Image Processing and Pattern Recognition (RTIP2R, 2020) held during 3rd - 4th January 2020 at Department of Computer Science and Information Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

\*Corresponding/Presenting Author

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# The 3rd International Conference on Recent Trends in Image Processing & Pattern Recognition

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra, India

(in collaboration with the University of South Dakota)

January 03 - 04, 2020

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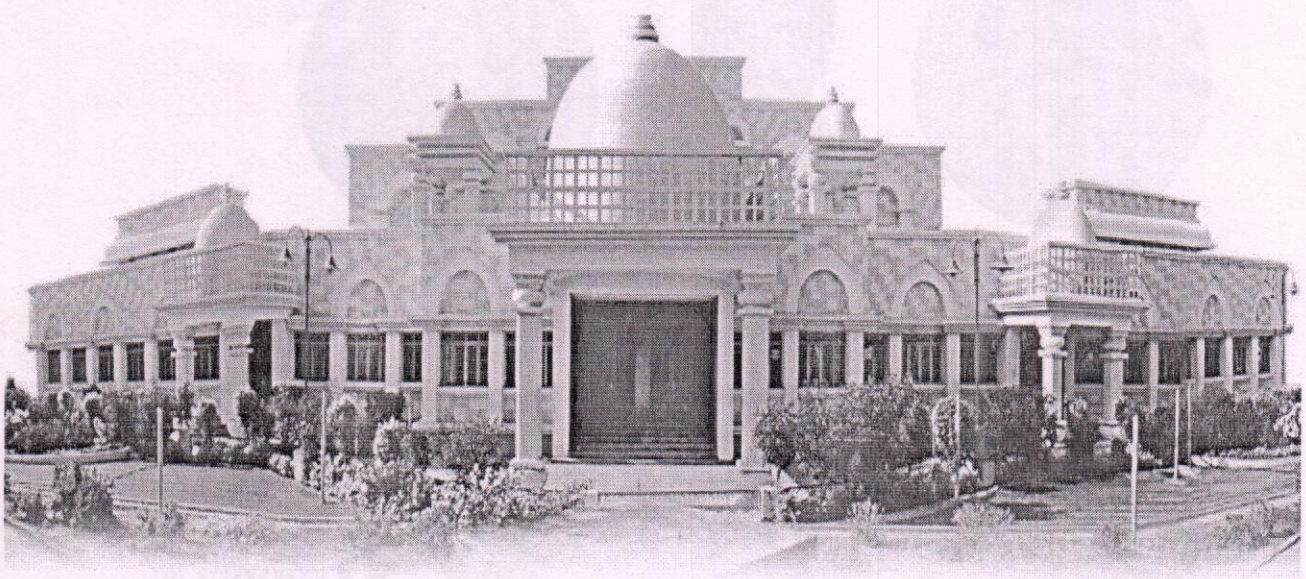
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## Welcome to the RTIP2R 2020

The third International Conference on Recent Trends in Image Processing and Pattern Recognition (RTIP2R) aims to attract current and/or advanced researches on image processing, pattern recognition, computer vision, and machine learning. The RTIP2R will take place at the Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra state, INDIA on January 03-04, 2020, in collaboration with The University of South Dakota, Vermillion, SD 57069 (USA).

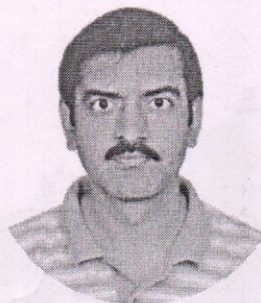
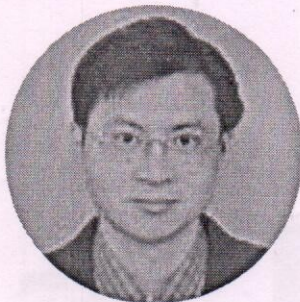
We have invited talks by world-leading scientists. Accepted papers are indexed into scopus database and published by reputed publishers. In line with past RTIP2R 2018, the RTIP2R 2020, conference publication will be in Communication in Computer and Information Science (CCIS), Springer (Confirmed).

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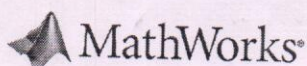
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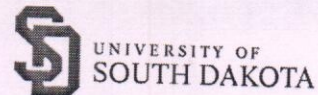
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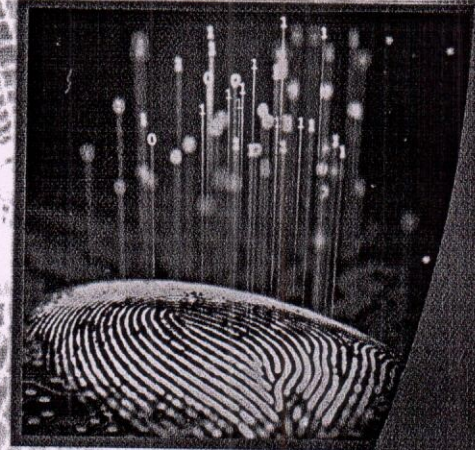
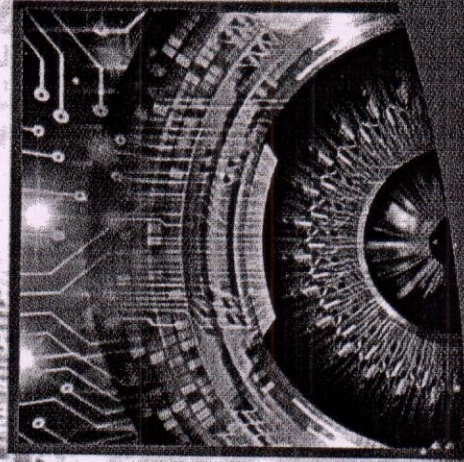


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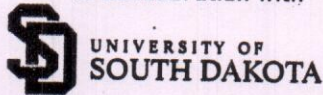


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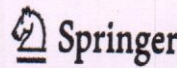
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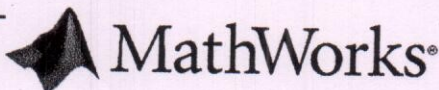
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# Impact of La<sup>3+</sup> Doped on Structural, Morphological, Dielectric and Electric Properties of Ni-Co Nanoferrites Synthesized by Sol Gel Method

V. D. Kulkarni<sup>1</sup>, Arif M. Tamboli<sup>2</sup>, S. M. Rathod<sup>3\*</sup>

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kulkarni\_vd55@yahoo.co.in

<sup>2</sup>Department of Electronics Science, Poona College, Pune, Maharashtra State, INDIA

<sup>3\*</sup>Nanomaterials & Lasers Research Lab, Department of Physics, Abasaheb Garware College, Pune, Maharashtra State, INDIA.  
smragc@rediffmail.com

## Abstract.

The La<sup>3+</sup> material doped in Ni-Co ferrite was prepared by using sol-gel method. The Structural, Morphological, Dielectric, Electric properties of La<sup>3+</sup> material doped in Ni-Co ferrite was studied. The metal nitrates of analytical grade were used for preparation of ferrites and were sintered at 600°C. The XRD pattern gives the X-ray density, bulk density, porosity, lattice constant and particle size. The impact of La<sup>3+</sup> doped in Ni-Co ferrite on Structural, Morphological, Electric and Dielectric properties was studied. The XRD graph confirms the size of Ni<sub>0.5</sub>Co<sub>0.5</sub>La<sub>x</sub>Fe<sub>2-x</sub>O<sub>4</sub> (where x=0.0, 0.175, 0.2, 0.3, 0.4, 0.5) nanoparticles. From XRD graphs, it was found to be the size of nanoparticles slightly decreases with the increase in La<sup>3+</sup> content. It was confirmed that formation of nanoparticles from SEM and TEM. The decrease in dielectric constant and decrease in dielectric loss as frequency increases which shows the normal behavior. The electric properties were also studied and showed that as lanthanum concentration increases dc conductivity remains constant up to x=0.4 and then it increases.

## Keywords:

Structural property, Sol-gel method, Ni-Co nanoferrite, Electric property, SEM, TEM

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# Impact of La<sup>3+</sup> Doped on Structural, Morphological, Dielectric and Electric Properties of Ni-Co Nanoferrites synthesized by sol gel Method

V. D. KULKARNI<sup>1</sup>, Arif M. Tamboli<sup>2</sup> and S. M. RATHOD<sup>3</sup>

<sup>1</sup>Department of Physics, Hutatma Rajguru Mahavidyalaya, Rajgurunagar, Dist-Pune, Pin-410505, MS, INDIA

Department of Electronics Science, Poona College, Pune, MS, INDIA

<sup>3</sup>Nanomaterials & Lasers Research Lab, Department of Physics, Abasaheb Garware College, Pune- 411 004, MS, INDIA

## Corresponding authors:

Email address: [smrage@rediffmail.com](mailto:smrage@rediffmail.com) (Dr. S. M. RATHOD),

## Abstract

The Study of Structural, Morphological, Dielectric and Electric properties of rare earth La<sup>3+</sup> material doped in Nickel-Cobalt nanocrystalline ferrites were synthesized by sol-gel auto combustion method. The analytical grade metal nitrates were used for preparation of nano ferrites and were sintered at 600°C. The particle size, lattice constant, bulk density, X-ray density and porosity was calculated from XRD. The effect of La<sup>3+</sup> doped on Structural, Morphological, Dielectric and Electric properties was investigated. The XRD graph confirms the size of Ni<sub>0.5</sub>Co<sub>0.5</sub>La<sub>x</sub>Fe<sub>2-x</sub>O<sub>4</sub> (where x=0.0, 0.175, 0.2, 0.3, 0.4, 0.5) nanoparticles. From XRD graphs, it was found to be the size of nanoparticles slightly decreases with the increase in La<sup>3+</sup> content. It was confirmed that formation of nanoparticles from SEM and TEM. The dielectric constant and dielectric loss decreases with increase in frequencies which gives the normal behavior. The electric properties were also studied and showed that conductivity increases with the concentration of lanthanum.

**Keywords:-** Structural property, Sol-gel method, Ni-Co nanoferrite, Electric property, SEM, TEM.

## INTRODUCTION

The stoichiometric control and chemical gelation process of Sol-gel auto combustion Method is excellent. The structural and magnetic properties of the Lanthanum substituted nickel nanoferrite were studied. The size on nanoparticles is decreases as the increase in the La content (Sonia et al., 2014). The synthesis of nano sized lanthanum ferrite was carried out in this paper and studied the different characterizations such as Thermo gravimetric and differential thermal analysis (TGDTA), Nano particle size analyzer, UV-Visible absorption spectrometer, Scanning Electron Microscopy with Energy Dispersive X-ray Analysis spectrum (EDAX) and magnetic properties. The nano sized crystalline Lanthanum ferrite showed that the continuous weight loss as increase in temperature in TG curve (Venkaiah et al., 2013). The electrical properties of Lithium doped cobalt ferrite nanoparticles studied by the four probe method. The conductivity of the ferrite sample decreased in increase of lithium concentration. Such nanoferrites have wide applications in microwave and high frequency devices (Shobana, 2012). The Nickel- Zinc ferrites showed that concentration of Zinc increases then conductivity also increases whereas the DC resistivity decreases (Rama Krishna et al, 2012). The M-type Calcium Hexaferrites substituted by aluminum was studied. The dc electrical resistivity increases, as concentration of aluminum increases. The author suggested that such ferrites may be used in micro oven due to increase in dc resistivity (Gawali et al, 2012). R. Rani studied the electrical and dielectric properties of Zinc substituted in Cobalt nanoferrites. The dielectric constant and dielectric loss between the frequency range 1KHz and 1MHz was studied. The study of dielectric properties gives the important role in preparation in innovative material (Rani et al, 2013; Tharayil et al, 2007). The Ni-Zn nanoferrites have the high electrical resistivity. Zinc has an important role in electrical properties (Ajmal et al 2007).The characteristics of dielectric constant, complex dielectric constant and the ac conductivity of ferrites was studied and showed that the semiconductor behavior (Asif Iqbal et al, 2014; Fawzi et al, 2010). The structural and electrical properties of the Zinc substituted in copper nanoferrites were studied. The bulk density and X-ray density decreases while porosity increases with Zinc content increases (Ali Ridha, 2015).The dielectric properties of nanoferrites was studied. Also dc resistivity, ac resistivity and ac conductivity studied (Chaudhari et al, 2012; Aldar et al, 2014).

In this paper, the rare earth  $\text{La}^{3+}$  material substituted in Nickel-Cobalt nanocrystalline ferrites were synthesized by sol-gel auto combustion method and was studied various characterizations.

## EXPERIMENTAL

### Materials

All chemicals such as  $(\text{Fe}(\text{NO}_3)_3 \cdot 9\text{H}_2\text{O})$ , Nickel nitrate  $(\text{NiNO}_3 \cdot 6\text{H}_2\text{O})$ , Cobalt nitrate  $(\text{CoNO}_3 \cdot 6\text{H}_2\text{O})$ , Lanthanum nitrate  $(\text{La}(\text{NO}_3)_3 \cdot 6\text{H}_2\text{O})$ , Citric acid  $(\text{C}_6\text{H}_8\text{O}_7)$ , Ammonium hydroxide solution  $(\text{NH}_4\text{OH})$  was used in high purity AR grade form.

### Synthesis of Nickel-Cobalt ferrites

The  $\text{Ni}_{0.5} \text{Co}_{0.5} \text{La}_x \text{Fe}_{2-x} \text{O}_4$  (Where  $x=0.0, 0.175, 0.2, 0.3, 0.4, 0.5$ ) nanoparticles were synthesized by sol-gel auto combustion Method. The stoichiometric ratio proportion of all nitrates and citric acid was required to obtain the desired product. Citric acid was used as a Fuel. The homogeneous solution was obtained by adding the all nitrates in distilled water. To maintain pH is equal to 7 of solution, the ammonium hydroxide solution was added slowly. This solution was stirred constantly at temperature  $100^\circ \text{C}$  for 3 to 4 hours. This solution turn into a viscous brown gel form and then auto-combustion takes place. The fine powder of  $\text{Ni}_{0.5} \text{Co}_{0.5} \text{La}_x \text{Fe}_{2-x} \text{O}_4$  ferrite nanoparticles was obtained. This powder was sintered for 4 hours at  $600^\circ \text{C}$  and this nanoferrite powder ready for various characterizations.

## RESULTS AND DISCUSSION

### Structural Properties

The X- ray diffraction patterns (XRD) of  $\text{Ni}_{0.5} \text{Co}_{0.5} \text{La}_x \text{Fe}_{2-x} \text{O}_4$  (where  $x=0.0, 0.175, 0.2, 0.3, 0.4, 0.5$ ) nanoferrite sample was obtained using X ray diffractometer with  $\text{Cu K}\alpha$  radiation of wavelength  $1.5405 \text{ \AA}$ . The x-ray diffraction patterns of the synthesized lanthanum doped nickel-cobalt nanoferrites shown in Fig.1. The particle size was obtained using Scherer's formula (Rajinder Kumar et al, 2014).

$$t = (0.9 * \lambda) / (\beta * \cos(\theta))$$

Where,  $\lambda$  =wavelength of X-ray used,  $\theta$  = peak position and  $\beta$  = FWHM of the peak  $\theta$  and it is corrected for instrumental broadening.

The lattice constant (a) was obtained using formula,



$$a = d \cdot (h^2 + k^2 + l^2)^{1/2}$$

Where,  $d$  is the inter planner spacing calculated from Bragg's law and  $(h, k, l)$  are the Miller Indices

The X-ray density ( $\rho_x$ ), bulk density ( $\rho_b$ ) and porosity ( $P$ ) were calculated using the following formulae (Lakshmi et al, 2016).

$$\text{X-ray density } (\rho_x) = (Z \cdot M) / (N \cdot a^3)$$

$$\text{Bulk density } (\rho_b) = m / (\pi r^2 h)$$

$$\text{Porosity } (P \text{ in } \%) = 1 - (\rho_b / \rho_x) \cdot 100 \%$$

Where,  $Z$  = number of atoms per unit cell,  $M$  = the molecular weight of the composition,  $N$  = the Avogadro's number and  $m$ ,  $r$ , and  $h$  are mass, radius, and thickness of the pellet of sample respectively.

The content of the lanthanum increases then average particle size of nanoparticles is decreases slightly and particle size varies from 17.3963 nm to 25.7791 nm shown in Table 1. The lattice constant varied between 8.3400 AU and 8.3617 AU and it is obtained from the interplaner distance. The prominent peak is observed at (3 1 1) plane. The bulk density varying between 1.9932 gm /cm<sup>3</sup> and 2.1502 gm /cm<sup>3</sup> and it is observed that it remains nearly constant as content of the lanthanum increases while X-ray density increases as lanthanum content increases and it is shown in Table 2. The X- ray density is greater than bulk density because of unavoidable pores during the sintering and sample preparation. The porosity of lanthanum doped Ni-Co nanoferrite nearly remains constant, as concentration of lanthanum increases. K. Vijaya Kumar-et-al explained the similar kind of result of the bulk density decreases while X-ray density and porosity increases with Cu content increases in Nickel nano ferrites (Vijaya Kumar et al, 2014).

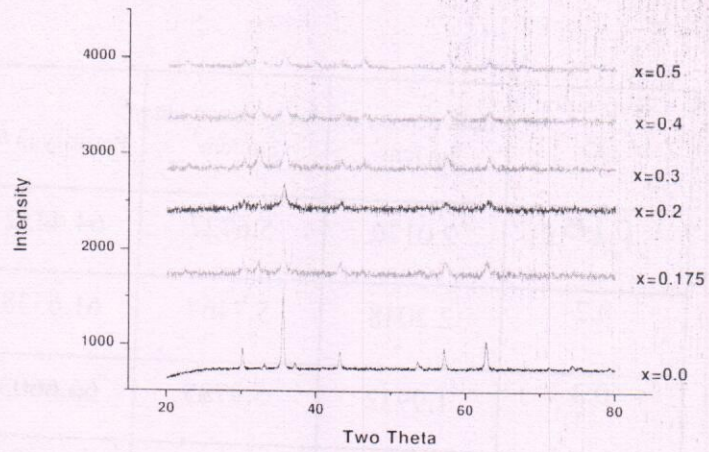


Figure 1. XRD patterns of  $\text{Ni}_{0.5}\text{Co}_{0.5}\text{La}_x\text{Fe}_{2-x}\text{O}_4$  nanoferrites

Table 1. Values of average particle size and Lattice constant of  $\text{Ni}_{0.5}\text{Co}_{0.5}\text{La}_x\text{Fe}_{2-x}\text{O}_4$  by XRD

Composition (X)	Average Particle Size (nm)	Lattice Constant(a) in AU
X = 0.0	25.7791	8.3617
X = 0.175	23.1747	8.3550
X = 0.2	23.1800	8.3421
X = 0.3	18.7521	8.3226
X = 0.4	18.7986	8.3483
X = 0.5	17.3963	8.3400

Table 2. Values of Bulk density, X ray density and porosity of  $\text{Ni}_{0.5}\text{Co}_{0.5}\text{La}_x\text{Fe}_{2-x}\text{O}_4$  nanoferrite.

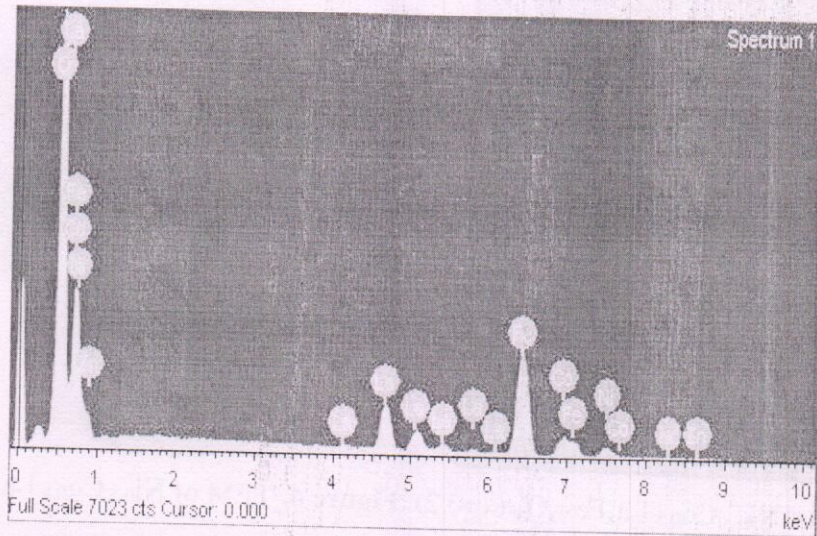
Composition (X)	Bulk density in gm/cm <sup>3</sup>	X ray density in gm/cm <sup>3</sup>	Porosity in %
0.175	2.0170	5.6727	64.4432
0.2	2.2048	5.7467	61.6338
0.3	1.9932	5.9785	66.6603
0.4	2.0546	6.1131	66.3898
0.5	2.1502	6.3215	65.9858

### Energy dispersive X-ray spectroscopy (EDAX)

The qualitative and quantitative analysis of chemical composition was studied using EDAX. The presence of Ni, Co, La, O and Fe is shown in Fig.2. The weight percentage and atomic percentage of Ni<sub>0.5</sub>Co<sub>0.5</sub>La<sub>x</sub>Fe<sub>2-x</sub>O<sub>4</sub> at x= 0.5 nanoferrite are shown in Table 3. The elemental composition of Ni, Co, Fe, O and La are 5.81, 7.78, 35.74, 31.10 and 19.57 weight percent respectively was noted. This confirms that prepared nanoferrites in pure form and there is no impurities found in synthesized nanoferrites.

**Table 3.** E-DAX of Ni<sub>0.5</sub>Co<sub>0.5</sub>La<sub>x</sub>Fe<sub>2-x</sub>O<sub>4</sub> nanoferrite at x=0.5

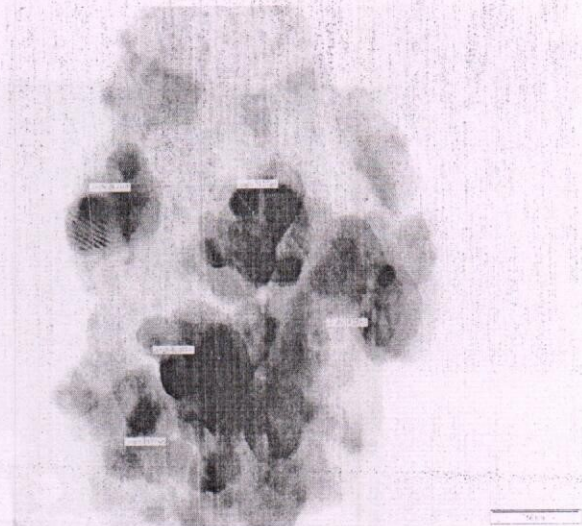
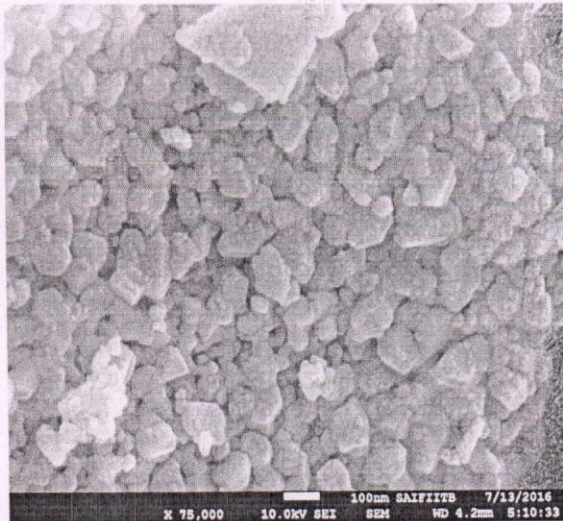
Element	Weight%	Atomic%
O K	31.10	65.76
Fe K	35.74	21.65
Co K	7.78	4.47
Ni K	5.81	3.35
Zn L	0.00	0.00
La L	19.57	4.77
Totals	100.00	



**Figure 2.** E-DAX of  $\text{Ni}_{0.5}\text{Co}_{0.5}\text{La}_x\text{Fe}_{2-x}\text{O}_4$  nanoferrite at  $x=0.5$

### SEM and TEM

The SEM and TEM images give the micro structural properties. The SEM image of Cobalt-Zinc nanocrystalline ferrites ( $\text{Ni}_{0.5}\text{Co}_{0.5}\text{La}_x\text{Fe}_{2-x}\text{O}_4$ ) at  $x=0.2$  shows that continuous distribution of nanoparticles shown in Fig 3. The TEM images of  $\text{Ni}_{0.5}\text{Co}_{0.5}\text{La}_x\text{Fe}_{2-x}\text{O}_4$  at  $x=0.4$  nanoferrites shown in Fig.4 and found that particle size varies from 10.65 nm to 25.42 nm. This particle size was comparable with the particle size obtained from XRD. It was found that the particle size in hexagonal shape. The SEM and TEM micrograph confirms the formation of nanoparticles.



**Figure 3.** SEM of  $\text{Ni}_{0.5}\text{Co}_{0.5}\text{La}_x\text{Fe}_{2-x}\text{O}_4$  ( $x=0.2$ ) **Figure 4.** TEM of  $\text{Ni}_{0.5}\text{Co}_{0.5}\text{La}_x\text{Fe}_{2-x}\text{O}_4$  ( $x=0.4$ )

### Dielectric Properties

The dielectric constants ( $\epsilon$ ) was calculated by

$$\epsilon = (C \cdot d) / (\epsilon_0 \cdot A)$$

Where  $C$ =capacitance in farad,  $d$ =thickness of pellet in meters,  $A$ = cross sectional area of pellet and  $\epsilon_0$  = permittivity of free space.

The conduction depends upon the dielectric properties of ferrites and dielectric properties of ferrites were studied. The polarization of ferrites determined by the electron exchange of  $\text{Fe}^{2+}$  and  $\text{Fe}^{3+}$  ions in the local displacement. The  $\text{Fe}^{2+}$  ions are polarized in large number gives the large dielectric constant and replacement of  $\text{Fe}^{3+}$  ions. The dielectric constant decreases and remains constant at higher frequencies (Xiuli Fu et al, 2011; Totagi et al, 2014).

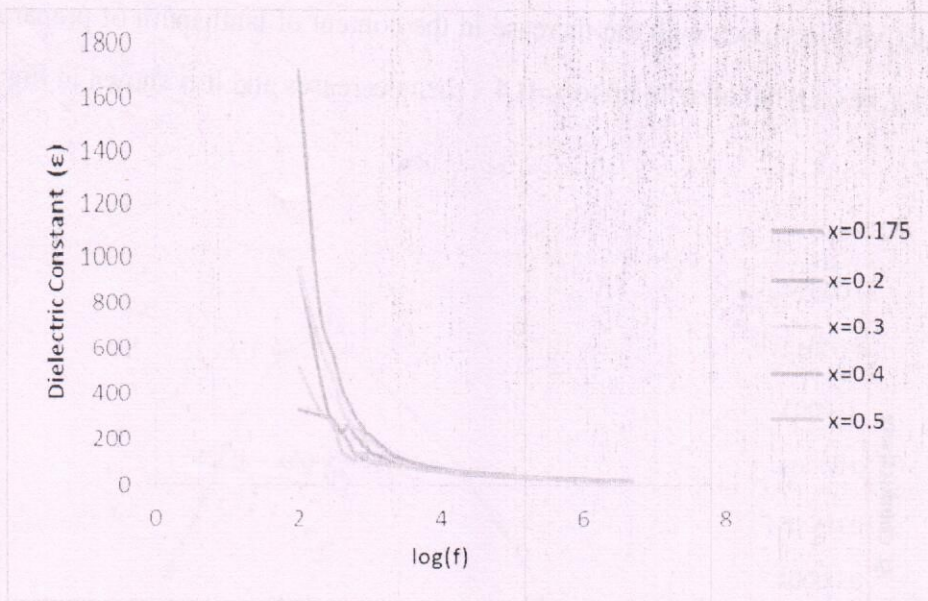
The dielectric constant decreases with increase in frequencies from 100 Hz to 5 MHz as shown in Fig 5. At lower frequencies, the dielectric constant is large. The graph shows that the normal behavior.

The dielectric loss ( $\tan \delta$ ) versus  $\log(f)$  graphs of the prepared  $\text{Ni}_{0.5}\text{Co}_{0.5}\text{La}_x\text{Fe}_{2-x}\text{O}_4$  (where  $x=0.175, 0.2, 0.3, 0.4, 0.5$ ) nanocrystals shown in Fig.6. The dielectric loss ( $\tan \delta$ ) decreases with increase in frequencies.

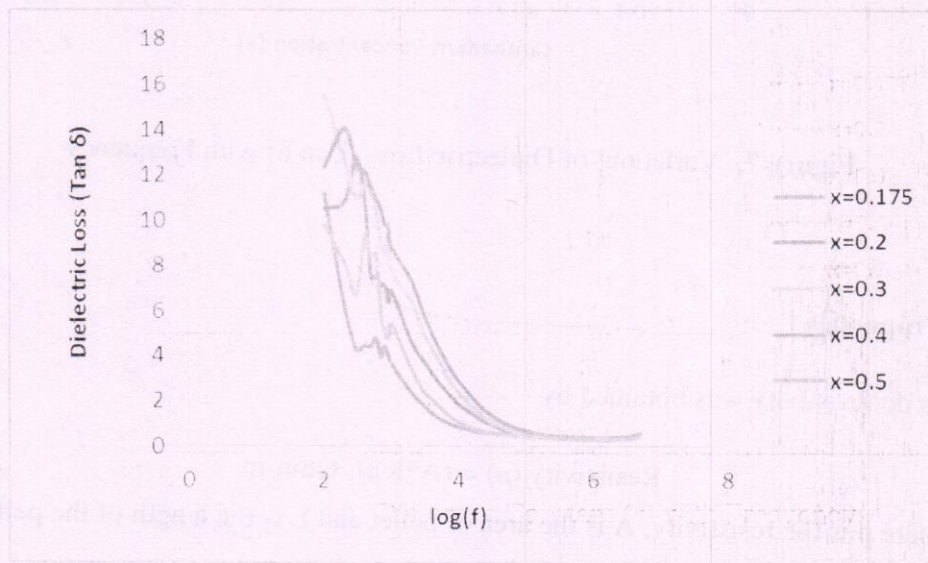
The conduction depends upon the dielectric properties of ferrites and dielectric properties of ferrites were studied. The polarization of ferrites determined by the electron exchange of  $\text{Fe}^{2+}$  and  $\text{Fe}^{3+}$  ions in the local displacement. The  $\text{Fe}^{2+}$  ions are polarized in large number gives the large dielectric constant and replacement of  $\text{Fe}^{3+}$  ions. The dielectric constant decreases and remains constant at higher frequencies (Xiuli Fu et al, 2011; Totagi et al, 2014).

The dielectric constant decreases with increase in frequencies from 100 Hz to 5 MHz as shown in Fig 5. At lower frequencies, the dielectric constant is large. The graph shows that the normal behavior.

The dielectric loss ( $\tan \delta$ ) versus  $\log(f)$  graphs of the prepared  $\text{Ni}_{0.5}\text{Co}_{0.5}\text{La}_x\text{Fe}_{2-x}\text{O}_4$  (where  $x=0.175, 0.2, 0.3, 0.4, 0.5$ ) nanocrystals shown in Fig.6. The dielectric loss ( $\tan \delta$ ) decreases with increase in frequencies.



**Figure 5.** Variation of Dielectric Constant ( $\epsilon$ ) with Frequency



**Figure 6.** Variation of Dielectric Loss ( $\text{Tan } \delta$ ) with Frequency

The ac conductivity was calculated by the formula (Khetre et al, 2011).

$$\sigma_{ac} = 2\pi f \epsilon_0 \epsilon \tan \delta$$

The ac conductivity increases with the increase in the content of lanthanum of prepared samples of  $\text{Ni}_{0.5}\text{Co}_{0.5}\text{La}_x\text{Fe}_{2-x}\text{O}_4$  nanoferrite up to  $x=0.4$ , then decreases and it is shown in Fig.7.

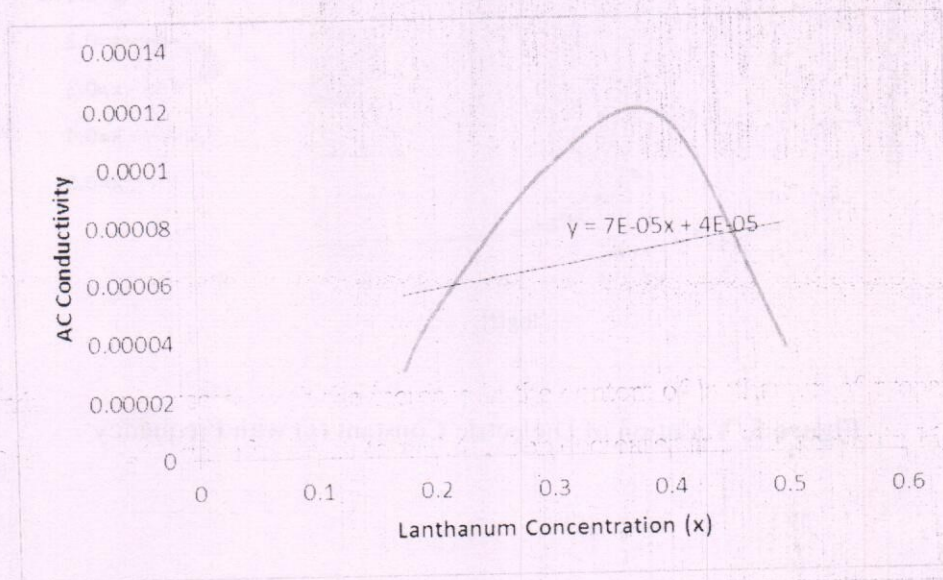


Figure 7. Variation of Dielectric Loss ( $\text{Tan } \delta$ ) with Frequency

### Electric Properties

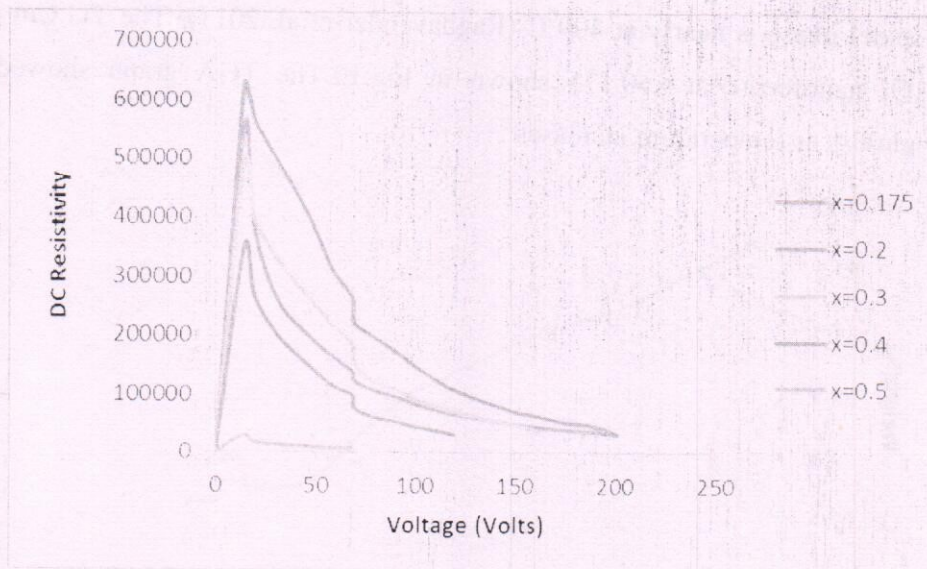
The dc resistivity was obtained by

$$\text{Resistivity } (\rho) = (A \cdot R) / L \text{ Ohm-m}$$

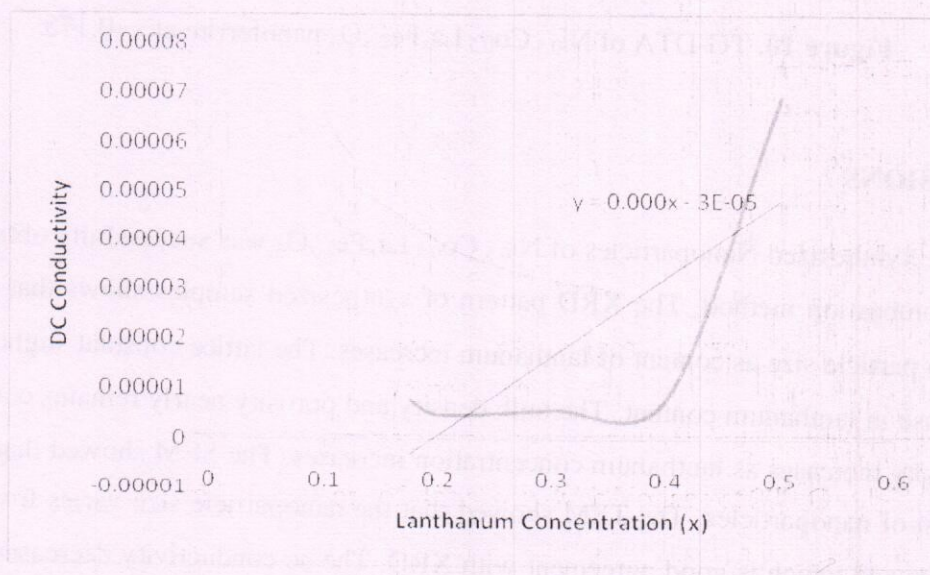
Where  $\rho$  is the resistivity, A is the area of pellet and L is the length of the pellet.

After initial peaks, dc resistivity decreases as the voltage increases of prepared sample of  $\text{Ni}_{0.5}\text{Co}_{0.5}\text{La}_x\text{Fe}_{2-x}\text{O}_4$  (where  $x=0.175, 0.2, 0.3, 0.4, 0.5$ ) at  $200^\circ\text{C}$  shown in Fig.8.

The dc conductivity of prepared sample of  $\text{Ni}_{0.5}\text{Co}_{0.5}\text{La}_x\text{Fe}_{2-x}\text{O}_4$  nanoferrite at  $200^\circ\text{C}$  was constant up to  $x=0.4$  and after  $x=0.4$  the dc conductivity of prepared sample increases with increase in lanthanum concentration and shown in Fig.9.



**Figure 8.** Variation of Resistivity with Voltage at 200<sup>0</sup>C



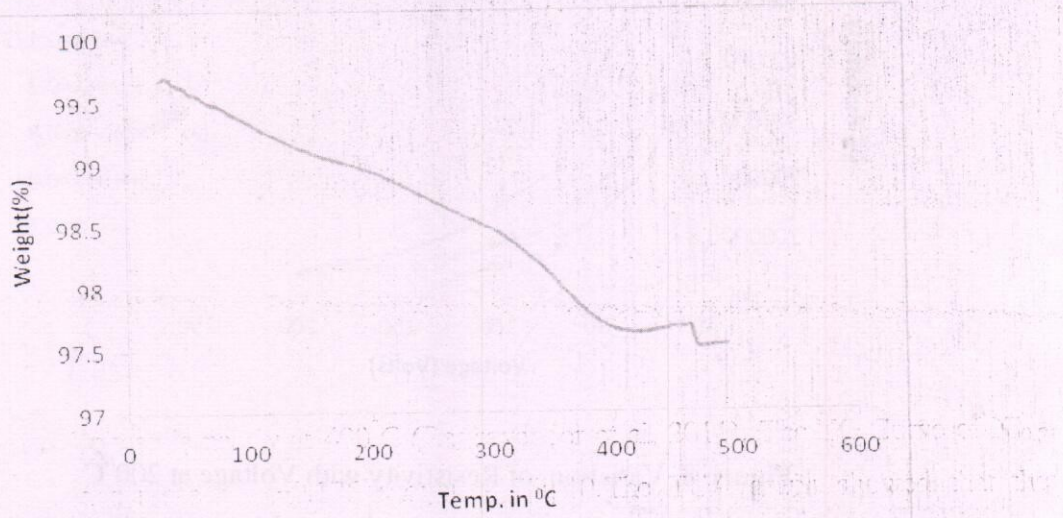
**Figure 9.** Graph of DC Conductivity with La Concentration of  $\text{Ni}_{0.5}\text{Co}_{0.5}\text{La}_x\text{Fe}_{2-x}\text{O}_4$  nanoferrite at 200<sup>0</sup>C

### Thermal Properties

The  $\text{Ni}_{0.5}\text{Co}_{0.5}\text{La}_x\text{Fe}_{2-x}\text{O}_4$  nanoparticles were characterized by TG-DTA. The thermal analysis of  $\text{Ni}_{0.5}\text{Co}_{0.5}\text{La}_x\text{Fe}_{2-x}\text{O}_4$  nanoferrite at  $x=0.175$  was carried out up to the 500<sup>0</sup>C. The



formation of spinel phase is nearly at 400°C (Raghavender et al, 2011). The TG Curve of  $\text{Ni}_{0.5}\text{Co}_{0.5}\text{La}_x\text{Fe}_{2-x}\text{O}_4$  nanoferrite at  $x=0.175$  shown in Fig.10. The TGA graph showed that the continuous weightloss as temperature increases.



**Figure 10.** TG-DTA of  $\text{Ni}_{0.5}\text{Co}_{0.5}\text{La}_x\text{Fe}_{2-x}\text{O}_4$  nanoferrite at  $x=0.175$

## CONCLUSIONS

The Synthesized Nanoparticles of  $\text{Ni}_{0.5}\text{Co}_{0.5}\text{La}_x\text{Fe}_{2-x}\text{O}_4$  was successfully obtained by sol gel auto combustion method. The XRD pattern of synthesized samples shows that the gradual decrease in particle size as content of lanthanum increases. The lattice constant slightly increases with increase in lanthanum content. The bulk density and porosity nearly remains constant while X-ray density increases as lanthanum concentration increases. The SEM showed that continuous distribution of nanoparticles. The TEM showed that the nanoparticle size varies from 10.65 nm to 25.42 nm and which is good agreement with XRD. The ac conductivity decreases after  $x=0.4$  and dc conductivity increases after  $x=0.4$  of lanthanum concentration. The dielectric constant and dielectric loss decreases as frequency increases, it showed that the normal behavior. The dc resistivity of  $\text{Ni}_{0.5}\text{Co}_{0.5}\text{La}_x\text{Fe}_{2-x}\text{O}_4$  nanoferrite decreases as the voltage increases. The continuous weightloss was found with increase in temperature from TGDTA.

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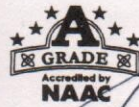
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Mr. J. A. Wagh, Head, Electronics

Mr. A. K. Ghadage, Head, Statistics

Dr. M. A. Patil, Head, English

Dr. A. D. Khobragade, Head, Library Science

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Dr. J. J. Chavan, IQAC Co-ordinator

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Miss Pathan N. N.  
Miss Ghorpade P. S.

Mr. Waghmare R. D.

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Rayat Shikshan Sanstha's

**YASHAVANTRAO CHAVAN INSTITUTE OF SCIENCE**  
**SATARA. (AUTONOMOUS COLLEGE)**

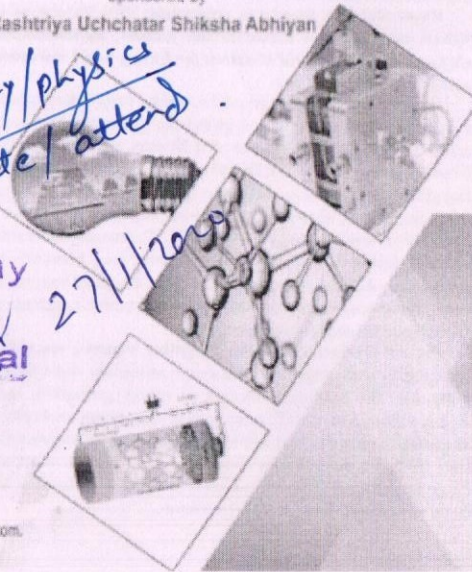
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Department of Physics and Astrophysics

Organizes  
**International Conference on Multifunctional**  
**and Hybrid Materials for Energy and Environment**  
**(MHME-2020) January 29 to 31-2020**



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*HOD - Chemistry/physics*  
*To Depute / attend*  
*A/c's To Pay*  
*27/1/2020*  
*Principal*



Website: www.ycis.ac.in,  
Telephone: 02152234392,  
Email: ycis.satara65@gmail.com.

### ABOUT THE PARENT INSTITUTE

Rayat Shikshan Sanstha, is one of the largest educational institutions in the Asia. Karmaveer Bhaourao Patil founded Rayat Shikshan Sanstha in 1919 with a noble objective of bringing the socially and economically backward class in the mainstream by means of education. The 'Earn and Learn Scheme' enabled many students to pursue higher education. Government of India conferred on him "Padmabhushan Award" for his enormous contribution in the field of education.

### ORGANISING INSTITUTE

Yashwantrao Chavan Institute of Science is an Autonomous Institute belongs to Rayat Shikshan Sanstha is recredited with A grade (CGPA 3.57) by NAAC, Bangalore recipient of Academic Excellence Award by Shivaji University Kolhapur and one of the lead colleges in the proposed Karmaveer Bhaourao Patil Cluster University, Satara approved by Rashtriya Uchchatar Shiksha Abhiyan (RUSA), Ministry of Human Resource Development, Government of India. The institute offers UG, PG, M.Phil, Ph. D. programs in Basic Sciences and Professional Courses under one roof. Research Facilities, Infrastructure and various facilities for students, scholarships etc. creates academic and research culture to develop the competent citizens. Currently 3800 UG students, 400 PG students from Kerala to Jammu-Kashmir and 90 research scholars for Ph.D. programmes are pursuing education.

### ABOUT THE CONFERENCE

Rayat Shikshan Sanstha is celebrating 2019-20 year as centenary year. On this auspicious occasion as a tribute to our founder, an international conference entitled, "Multifunctional and Hybrid Materials for Energy and Environment (MHMEE-2020)" is being organized by the Institute.

One of the main challenges of the twenty-first century is adequate fulfillment of ever growing energy demand. At present global energy consumption is about 16 TW per year and expected to raise up to 35 TW within next 20 years, most of which comes from burning fossil fuels (coal, oil and natural gas). Due to rapid consumption of the diminishing fossil fuel and serious global warming issue, demand is for clean and cheaper sources of energy. During the past decade, the field of material science has emerged as a frontier research area due to its enormous novel applications to diverse fields of human endeavor such as materials for energy (solar cells, fuel cells, batteries), environment (gas, humidity, bio-sensors), biomedical materials (drug delivery, therapy, hyperthermia, advanced imaging), defence (smart and light systems), aerospace (engineered surfaces and composites), agriculture, consumer electronics, magnetic materials and special coatings etc.

Present conference will bring together students, research scholar's, faculties and stakeholders to share their ideas and create awareness about thrust issues like Energy and Environment. The conference focuses on energy generation, storage, transportation and distribution through solar cells, supercapacitors, batteries, fuel cells, energy materials such as multifunctional materials and hybrid materials. Use of nanomaterials in drug delivery, gas sensing, magnetic materials for communication, catalyst, water splitting and purification, antibacterial activities. The conference is three days academic event in which there will be deliberations on the topics related to the theme.

### OBJECTIVES

- To elaborate advanced research activities going on in smart materials for Energy and Environment through invited talks, speeches and presentations by highly eminent personalities working in this era across the globe.
- To provide a common platform to scientists, faculties, engineers and scholars working on various aspects of smart materials for solar cells, electrochemical cells, battery, water splitting, supercapacitors, fuel cells, sensors, catalysts, magnetic materials for communication technology etc., to cater their ideas on commercial scale up for industrial followed social benefits.
- To provide a state of art that can mingle various smart devices such as a hybrid system for various applications.
- To provide a line of action for various collaborations and exchange activities among the academicians, industrialists and scientists.

### INVITED SPEAKERS

1. Prof. Dr. Secram Ramakrishna (Singapore)
2. Prof. Dr. Venu Ajayan (Austaralia)
3. Prof. Dr. Katia Vutova ( Bulgaria)
4. Prof. Dr. Ganpati Ramanath (USA)
5. Prof. Dr. Prashant Sonar (Australia)
6. Prof. Dr. Sung Ha Park (S. Korea)
7. Prof. Dr. Ahmad Umar (Saudi Arabia)
8. Prof. Dr. Mukund Karanjikar (USA)
9. Prof. Dr. Dinesh Amalnerkar (S. Korea)
10. Dr. Sambhaji Shinde (S. Korea)

### CALL FOR THE PAPERS

- Insightful papers focusing on the theme of conference are invited. The interested participants are requested to submit abstracts.
- The abstract should include title of the paper, Authors name, affiliation and postal address with email id.
- Abstract (limited to 300 words in MS word format, Times New Roman, Font Size 12) and send to e-mail: mhmeec2020@gmail.com
- Selected authors will be communicated to submit soft copy of full length paper in A4 size (MS word format) Times New Roman, Font Size 12 with 1.5 line spacing) as a word file and send to same e-mail.
- All the selected papers will be published in Materials Today: Proceedings, (Peer reviewed and UGC listed journal with ISSN no. 2214-7853).  
Note for plagiarism and ethics: Paper will be accepted only when it has not been published, copyrighted, presented or accepted elsewhere.

Start Date for Abstract Submission: 15<sup>th</sup> September 2019      Last Date for Abstract Submission: 10<sup>th</sup> December 2019

Acceptance Notification: 20<sup>th</sup> December 2019      Last Date for Full paper Submission: 31<sup>st</sup> December 2019

REGISTER NOW

Contact : Dr. P. K. Pagare  
+919561590814

FOR  
REGISTRATION  
AND SUBMISSION

Register on or before 15<sup>th</sup> December 2019

### REGISTRATION FEE INCLUDES

- Participation for conference events along with conference kit, breakfast, lunch, high tea and conference proceedings
- Registration form is available on website : www.ycis.in
- Registration fee is required to be paid either in cash or DD drawn in favor of Principal YCIS, Satara. For payment by RTGS/NEFT/online

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Name of the Bank : Bank of Baroda  
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Teaching Faculty	Rs. 2000/-	\$ 20
Industry Representatives	Rs. 5000/-	\$ 30

### ACCOMODATION

Accommodation can be arranged on request.  
Charges will be borne by the participant.  
Contact: 1) Mr. G. Y. Chorge Mob. 9511985589  
2) Mr. S. S. Patil Mob. 9730962955



क्र.

10672

कीर्द

रयत शिक्षण संस्थेचे,

दिनांक: 31/01/2020

69

यशवंतराव चव्हाण इन्स्टिट्यूट ऑफ सायन्स, सातारा.

श्री. लूकमान शेश

राहणार पुणे

तपशील Registration fee MHME 2020

रकम (अक्षरी) रु. दोन हजार रुपये फक्त

रकम (अंकी) रु. 2000/- खाते

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प्राचार्य

*International Conference on Multifunctional and Hybrid  
Materials for Energy and Environment  
29-31 Jan 2020*

OT-PP-35

**Role of Nd<sup>3+</sup> Doping on Structural Parameters of Ba-Sr Hexaferrite Synthesized  
by Sol-gel Route**

A. R. Kulkarni<sup>1</sup>, K. A. Shinde<sup>1</sup>, S. N. Kokare<sup>1</sup>, L. S. More<sup>1</sup>, A. D. Pawar<sup>1</sup>,  
T. J. Shinde<sup>1</sup>

<sup>1</sup>P. G. Department of Physics, Smt. K. R. P. Kanya Mahavidyalaya, Islampur, (MS), India – 415409

**ABSTRACT**

The barium strontium hexaferrite with compositions Ba<sub>0.5</sub>Sr<sub>0.5</sub>Fe<sub>12</sub>O<sub>19</sub> and Ba<sub>0.5</sub>Sr<sub>0.5</sub>Fe<sub>11.75</sub>Nd<sub>0.25</sub>O<sub>19</sub> were successfully prepared by sol-gel route under microwave sintering. The resulting powder was characterised by X-ray diffraction tool. The formation of magnetoplumbite single phase crystal structure without any impurity phase confirmed from XRD analysis. It is found that the intensity of (hkl) planes in the diffraction pattern of Nd<sup>3+</sup> doped Ba-Sr hexaferrite becomes more higher as compared to pure Ba-Sr hexaferrite. On Nd<sup>3+</sup> doping, lattice parameters a=b of Ba-Sr hexaferrite found to be minimum whereas lattice parameter c becomes higher as compare to undoped Ba-Sr hexaferrite. Lattice parameters of hexaferrites prepared under investigation are well match with the reported values. The crystallite size (D) and X-ray density (ρ<sub>x</sub>) becomes higher for Nd<sup>3+</sup> doped Ba-Sr hexaferrite as compared to pure Ba-Sr hexaferrite.

**Keywords:** Barium strontium hexaferrite; Microwave sintering; Sol-gel rout; X-ray diffraction;

OT-PP-36

**Induction of a recyclable catalyst for the synthesis of Pyrrole**

Iqbal N. Shaikh \*, <sup>a,b</sup>, M. Baseer Ahmed<sup>b</sup>

<sup>a</sup> Department of Chemistry, Post Graduate and Research Centre  
AKI's Poona College of Arts, Science and Commerce, Pune, INDIA.

<sup>b</sup> Department of Chemistry, Yashwantmahavidhyalaya, Nanded, INDIA.

**ABSTRACT**

A new recyclable catalyst has been employed for the synthesis of pyrrole. The catalyst is found to be more effective toward the cyclization reaction involving pyrrole formation by Paal-Knorr synthetic method. A series of 1,2,5 trisubstituted pyrrole have been prepared by simple method. Being environmentally benign, water is used as solvent in the reaction. Due to the recyclability the catalyst shows effectiveness up to four cycles Scheme 1.

**Keywords:** beta acetylacetone, amines, Recyclable catalyst,

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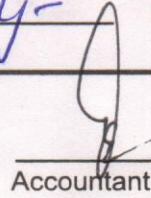
Paid to Prof. Aftab Anwar  
Shankar

K.B. Hidayatullah Road, Camp, Pune - 411001. Tel. : 020-26454240 / 26446319

PARTICULARS	Rs.	Ps.	Date _____
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Amount Being paid to the registration fee for the international conference at HCM Azam College of Education on 6th - 7th Feb. 2020.	1500/-		Debit A/c _____
			Cash Folio No. _____
			Petty Cash Folio No. _____
			Ledger Folio No. _____
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₹ Fifteen Hundred only- TOTAL	1500/-		

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Principal

  
Accountant

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Receiver's Signature



To

Date: 8<sup>th</sup> Feb. 2020

**The Principal,**  
Y&M AKI's Poona College,  
Camp, Pune 411001.

Subject: Reimbursement for International Conference, Azam Campus, Pune

Respected Sir,

I have attended and presented a research paper in International Conference on **Connecting Beyond the Classroom: Employability Skills for Global Teacher Education** at HGM Azam College of Education on 6<sup>th</sup>-7<sup>th</sup> Feb. 2020. Thus I request you to kindly reimburse the following expenses

Sr. No.	Particulars	Amount in Rs.
1	Registration Fee	1500/-
	<b>Total</b>	<b>1500/-</b>

Sir, kindly grant us the permission and reimburse the above budget.

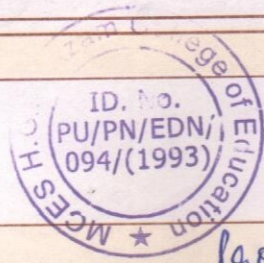
Thanking You,

Yours Faithfully,



**Prof. (Dr.) Aftab Anwar Shaikh**  
Department of Commerce  
Poona College

*Registered*  
*8/2/20*



No. 13

Date: 6/2/2020

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by cheque / draft / cash, in full / part / advance  
payment of our Bill No. \_\_\_\_\_ Dated \_\_\_\_\_ / A/c of. \_\_\_\_\_



₹ 1500/-

Signature

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**INTERNATIONAL CONFERENCE**

on

**Connecting Beyond The Classroom: Employability Skills for Global Teacher Education**

*Certificate*

This certificate of appreciation has been awarded to

Prof./ Dr./ Mrs./Miss. Aftab . Anwar . Shaikh

in recognition of his / her contribution through presenting a paper / participation in the International Conference on 'Connecting Beyond The Classroom : Employability Skills for Global Teacher Education' organised at H.G.M. Azam College of Education, Pune on 6<sup>th</sup> and 7<sup>th</sup> February 2020.

He /She acted as a Resource person / Chairperson for Technical Session / presented a paper entitled

"Role of Employability Skills in Economic Development."

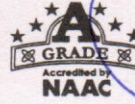
*Vrushi*  
Asst. Prof. Vrushali Rokade  
Convener

*Anita*  
Dr. Anita Belapurkar  
Principal





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Paid to

*VIA*  
*Dr. Gulnawaz Usmani*

*507/02/T20*

K.B. Hidayatullah Road, Camp, Pune - 411001. Tel. : 020-26454240 / 26446319

PARTICULARS	Rs.	Ps.	
Cash / Cheque No. <i>136874.</i>			Date <i>21.01.2020</i>
<i>Registration fee for the national Seminar held at govt. College of arts, science and Commerce, Sangli in Goa, on 15<sup>th</sup> - 16<sup>th</sup> Jan. 2020.</i>	<i>2500/-</i>		Voucher No. _____
<i>Travel allowances from Pune to Goa and Goa to Pune.</i>	<i>1400/-</i>		Debit A/c _____
			Cash Folio No. _____
			Petty Cash Folio No. _____
			Ledger Folio No. _____
			Remarks _____
<b>₹</b> _____ <b>TOTAL</b>	<i>3900/-</i>		

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 Gen.Sec./ Trustee

*[Signature]*  
 Principal

*[Signature]*  
 Accountant

*[Signature]*  
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*[Signature]*  
 Registrar

*[Signature]*  
 Receiver's Signature

To

Date: 02.Jan 2020

**The Principal,**  
Y&M AKI's Poona College,  
Camp, Pune 411001.

Subject: Reimbursement for Attending Seminar, Goa

Respected Sir,

I have attended and presented a research paper in National Seminar on **Health Sector and Sustainable development** in Goa on 15<sup>th</sup> and 16<sup>th</sup> Jan. 2020. Thus I request you to kindly allow me to go and reimburse the following expenses

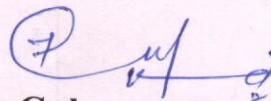
Sr. No.	Particulars	Amount in Rs.
1	Registration Fee	2500/-
2	Travel Allowance (two way)	1400/-
	<b>Total</b>	<b>3900/-</b>

Sir, grant us the permission and reimburse the above budget.

Thanking You,

Yours Faithfully,

A/c  
A/c's To Pay  
Principal  
21/1/2020

  
**Dr. Gulnawaz Usmani**  
Assistant Professor  
Dept. of Economics  
Poona College

Verified  
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Accountant Sign.



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**POST GRADUATE DEPARTMENT & RESEARCH CENTRE IN ECONOMICS**

Ref.: No.: GCASCS/PG-ECO/N.Conf.2019-20/2019

Date: 29.12.2019

**LETTER OF ACCEPTANCE**

**Dr. Gulnawaz Usmani**

Poona College of Arts, Science & Commerce,  
Camp, Maharashtra, Pune-01

Dear Dr. Usmani,

We are pleased to inform you that, the abstract of your paper titled, **An Analysis of Performance of Maternal and Child Healthcare variables in India** has been accepted for presentation at the Inter-disciplinary National Conference on **Health Sector and Sustainable Development** being organised in association with the Directorate of Higher Education, Government of Goa on 15<sup>th</sup> and 16<sup>th</sup> January 2020 in our college premises.

Kindly register online for the conference by clicking the link <https://tinyurl.com/goaecoconference2020> and email your full paper as MS Word attachment to [ecoconfgoasqm@gmail.com](mailto:ecoconfgoasqm@gmail.com).

Look forward to meeting you at the conference.

Warm Regards

(Dr. Seema P. Rath)

Organising Secretary of the Conference

---

To

Date: 02.Jan 2020

**The Principal,**  
Y&M AKI's Poona College,  
Camp, Pune 411001.

Subject: Permission to attend & Reimbursement for Attending National Seminar, Goa

Respected Sir,

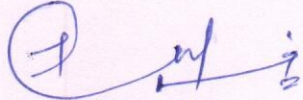
I am going to attend a national conference on **Health Sector and Sustainable development** in Goa on 15<sup>th</sup> and 16<sup>th</sup> Jan. 2020. Thus I request you to kindly allow me to go and reimburse the following expenses.

Sr. No.	Particulars	Amount in Rs.
1	Registration Fee	2500/-
2	Travel Allowance (two way)	1400/-
	<b>Total</b>	<b>3900/-</b>

Thanking You,

*Permitted  
Subject to Publication.  
2/01/2020*

Yours Faithfully,



**Dr. Gulnawaz Usmani**  
Assistant Professor  
Dept. of Economics  
Poona College

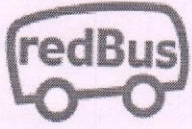


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PNR no: TS200113095541960509IHWV

242120/Laxmi Queen

Pune → Goa Tuesday, January 14, 2020

Laxmi Queen G

20:55

21:10

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A/C Sleeper (2+1)

Reporting time

Departure time

Number of Passengers

Boarding point details

Camp Shankarshet Road  
(GPS location Kothari  
Hyundai)

Near Exim Bank, Before  
Flyover,

before Kumar Pacific Mall,  
Shri Sarathi Society, besides  
SBI, in front of Hyundai  
Showroom

Location

Landmark

Address

Dropping point details

08:00

15-Jan-2020

Behind Kadamba bus stand,  
Geris Emporium

Dropping point time

Dropping point Date

Address

Passenger Details (Age, Gender)

Seat Number

Gulnawaz Usmani (29, MALE)

U28

NO This operator accepts mTicket, you need not carry a print out

Total Fare : Rs. 750.00

(Rs. 0 inclusive of GST and service charge, if any)

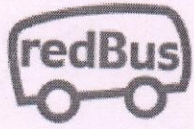
Discounted Fare : Rs. 700

**redBus Ticket - TP2J41198289**

messages

redBus <ticketmaster@redbus.in>  
To: nawaz1717@gmail.com

Thu, Jan 16, 2020 at 8:51



eTICKET

Need help with your trip

**Boarding Point Ph. No.:** 0832226345

0202569145

**Laxmi Queen G-Customer Care**

2025690094

Write to us here

**Ticket no:** TP2J41198289

PNR no: TS200116085033109862CJN

242694/Laxmi Queen G Return

**Goa → Pune** Friday, January 17, 2020

<b>Laxmi Queen G</b> A/C Sleeper (2+1)	<b>20:15</b> Reporting time	<b>20:30</b> Departure time	<b>1</b> Number of Passengers
<b>Boarding point details</b>	<b>Mapusa</b> Location	<b>Near Taxi Stand Mapsa</b> Landmark	<b>Near Taxi Stand Mapsa Goa.</b> Address
<b>Dropping point details</b>	<b>05:30</b> Dropping point time	<b>18-Jan-2020</b> Dropping point Date	<b>Pune - Bangalore Highway</b> Address
<b>Passenger Details (Age, Gender)</b> Gulnawaz Usmani (30, MALE)	<b>Seat Number</b> U26		

**Total Fare : Rs. 750.00**

(Rs. 0 inclusive of GST and service charge, if any)

**Discounted Fare : Rs. 700**

NOTE : This operator accepts mTicket, you need not carry a print out

**Terms and Conditions**

1. redBus\* is an online ticketing platform. It does not operate bus services of its own. In order to provide a comprehensive choice of bus operators, departure times and prices to customers, it has tied up with many bus operators. redBus's advice to customers is to choose bus operators they are aware of and whose service they are comfortable with.

**redBus responsibilities include:**

- (1) Issuing a valid ticket (a ticket that will be accepted by the bus operator) for its network of bus operators
- (2) Providing refund and support in the event of cancellation
- (3) Providing customer support and information in case of any delays / inconvenience

**redBus responsibilities do not include:**

- (1) The bus operator's bus not departing / reaching on time.
- (2) The bus operator's employees being rude.
- (3) The bus operator's bus seats etc not being up to the customer's expectation.

3. Passengers are required to furnish the following at the time of boarding the bus:

- (1) A copy of the ticket (A print out of the ticket or the print out of the ticket e-mail).
  - (2) A valid identity proof
- Failing to do so, they may not be allowed to board the bus.

4. Change of bus: In case the bus operator changes the type of bus due to some reason, redBus will refund the differential amount to the customer upon being intimated by the customers in 24 hours of the journey.

5. Amenities for this bus as shown on redBus have been configured and provided by the bus provider (bus operator). These amenities will be provided unless there are some exceptions on certain days. Please note that redBus provides this information in good faith to help passengers to make an informed decision. The liability of the amenity not being made available lies with the operator and not with redBus.

6. In case a booking confirmation e-mail and sms gets delayed or fails



**GOVERNMENT COLLEGE OF ARTS, SCIENCE & COMMERCE, SANQUELIM-GOA**

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IN ASSOCIATION WITH

**DIRECTORATE OF HIGHER EDUCATION, GOVERNMENT OF GOA**

INTER-DISCIPLINARY NATIONAL CONFERENCE ON

**'HEALTH SECTOR AND SUSTAINABLE DEVELOPMENT'**

15-16 January, 2020

**CERTIFICATE**

This is to certify that

Dr. Gulnawaz Usmani of Poona College of Arts, Science & Commerce participated at the Inter-Disciplinary National Conference on Health Sector and Sustainable Development organised by the Post Graduate Department of Economics, Government College of Arts, Science and Commerce, Sanquelim-Goa in association with the Directorate of Higher Education, Government of Goa on 15<sup>th</sup> and 16<sup>th</sup> January, 2020 at Government College of Arts, Science & Commerce, Sanquelim-Goa and presented a paper titled An Analysis of Performance of Maternal and Child Healthcare variables in India.

Dr. Seema P. Rath  
Coordinator, PG Dept. of Economics  
& Organising Secretary

Dr. Gervasio S. F. L. Mendes  
Principal &  
Conference Convener

Shri. Prasad Lolayekar  
Director of Higher Education  
& Chief Patron





Anjuman Khairul Islam's  
**POONA COLLEGE**  
 OF ARTS, SCIENCE & COMMERCE  
 (Affiliated to University of Pune)



Paid to Dr. Gulnawaz Usmani

K.B. Hidayatullah Road, Camp, Pune - 411001. Tel. : 020-26454240 / 26446319

PARTICULARS	Rs.	Ps.	Date _____
Cash / Cheque No. _____			Voucher No. _____
Amount Being paid to the registration fee for the international conference at HGM Azam College of Education on 6 <sup>th</sup> - 7 <sup>th</sup> Feb. 2020.	1500/-		Debit A/c _____
			Cash Folio No. _____
			Petty Cash Folio No. _____
			Ledger Folio No. _____
			Remarks _____
			_____
₹ fifteen Hundred only - TOTAL	1500/-		

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Gen.Sec./ Trustee

↓  
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Principal

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\_\_\_\_\_  
Accountant

↓  
\_\_\_\_\_  
H.O.D.

\_\_\_\_\_  
Registrar

\_\_\_\_\_  
Receiver's Signature



To

Date: 8<sup>th</sup> Feb. 2020

**The Principal,**  
Y&M AKI's Poona College,  
Camp, Pune 411001.

Subject: Reimbursement for International Conference, Azam Campus, Pune

Respected Sir,

I have attended and presented a research paper in International Conference on **Connecting Beyond the Classroom: Employability Skills for Global Teacher Education** at HGM Azam College of Education on 6<sup>th</sup>-7<sup>th</sup> Feb. 2020. Thus I request you to kindly reimburse the following expenses

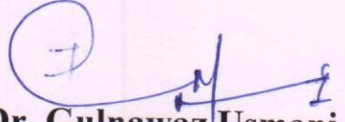
Sr. No.	Particulars	Amount in Rs.
1	Registration Fee	1500/-
	<b>Total</b>	<b>1500/-</b>

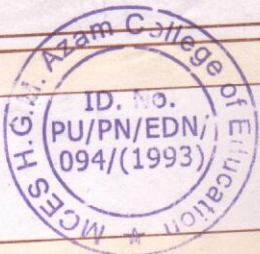
Sir, kindly grant us the permission and reimburse the above budget.

Thanking You,

Yours Faithfully,

*Repistear*  
*J 8/2/2020*

  
**Dr. Gulnawaz Usmani**  
Assistant Professor  
Dept. Economics  
Poona College



ID. No. \_\_\_\_\_  
PU/PN/EDN/  
094/(1993)

No. 12

Date: 6/2/2020

RECEIVED with thanks from Dr. Gulnawaz Usmani  
the sum of Rupees Fifteen hundred Rupees only.

\_\_\_\_\_ by cheque / draft / cash, in full / part / advance  
payment of our Bill No. \_\_\_\_\_ Dated \_\_\_\_\_ / A/c of. \_\_\_\_\_



₹ 1500/-

Signature

This receipt is valid subject to Realisation of cheque.



M C E Society's  
**H. G. M. AZAM COLLEGE OF EDUCATION, PUNE**

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&  
**Savitribai Phule Pune University**  
*Jointly Organise*

**INTERNATIONAL CONFERENCE**

on

**Connecting Beyond The Classroom: Employability Skills for Global Teacher Education**

*Certificate*

This certificate of appreciation has been awarded to

Prof./ Dr./ Mrs./Miss.

*Euliyawaz Usmani*

in recognition of his / her contribution through presenting a paper / participation in the International Conference on 'Connecting Beyond The Classroom : Employability Skills for Global Teacher Education' organised at H.G.M. Azam College of Education, Pune on 6<sup>th</sup> and 7<sup>th</sup> February 2020.

He /She acted as a Resource person / Chairperson for Technical Session / presented a paper entitled *Role of Employability Skills in Economic Development*

*Pank.*  
Asst. Prof. Vrushali Rokade  
Convener

*Anita Belapurkar*  
Dr. Anita Belapurkar  
Principal



Anjuman Khairul Islam's  
**POONA COLLEGE**  
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Paid to Ms. MEHRUNISA M. SHAIKH

K.B. Hidayatullah Road, Camp, Pune - 411001. Tel. : 020-26454240 / 26446319

PARTICULARS	Rs.	Ps.
Cash / Cheque No. <u>Amount paid as</u>		
<u>Re-imbursment for:-</u>		
<u>1] NPTEL exam fees</u>	<u>Rs: 100/=</u>	
<u>2] Webinars at Dhule</u>	<u>Rs 100/=</u>	
<u>₹ ONE THOUSAND TWO HUNDRED ONLY.</u>	<b>TOTAL</b>	<u>Rs: 1200/=</u>

Date 05/09/2020

Voucher No. \_\_\_\_\_

Debit A/c \_\_\_\_\_

Cash Folio No. \_\_\_\_\_

Petty Cash Folio No. \_\_\_\_\_

Ledger Folio No. \_\_\_\_\_

Remarks \_\_\_\_\_

Department of \_\_\_\_\_

\_\_\_\_\_  
Gen.Sec./ Trustee

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Principal

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Accountant

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H.O.D.

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Registrar

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Meherunisa M. Shaikh



Principal, S.S.V.P.S. Science C...  
Account no: Union Bank of India 5115



₹ 100

Webinar registration fees

Paid • 12 May →

**REPEAT PAYMENT**

**Pay**



**National Webinar on  
Potential And Applications Of Indigenous Bio-resources**



**Organized By  
Shri Shivaji Vidya Prasarak Santha's  
Late Karmaveer Dr. P. R. Ghogrey Science College, Dhule**

A+ Grade NAAC Re Accrediated with CGPA 3.55  
Awarded with College with Potential For Excellence by UGC  
Affiliated with Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

**~ CERTIFICATE ~**

This is to certify that **Mrs Shaikh Meherunisa** of **Poona College of Arts Science and Commerce Pune** has participated in the two day National Webinar on **Potential And Applications Of Indigenous Bio-resources** organized by Department of Botany, Zoology, Biotechnology & Microbiology of S.S.V.P.Sanstha's L.K.Dr.P.R.Ghogrey Science College, Dhule on 14th & 15th May 2020.

**Dr. D. L. Phand**  
Convener

**Dr. Sandhya S. Patil**  
Convener

**Principal, Dr. M. V. Patil**  
Chairman



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No. 1123

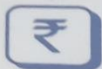
Date : 7/2/2020

Received with thanks from Mr Vakeel Sayyed

the sum of Rupees One thousand only

on account of International Conference dated 7<sup>th</sup> & 8<sup>th</sup> Feb, 2020

by Cash/Cheque/Draft Cash



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No. 1101

Date : 7/2/2020

Received with thanks from Dr Nasrin Khan

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No. 1104

Date :

Received with thanks from Dr Shiraz Shaikh  
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& 8<sup>th</sup> Feb, 2020  
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No. 1107

Date : 6/2/2020

Received with thanks from Mrs Akbar Sayyed

the sum of Rupees One thousand only

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No. 1109

Date : 6/2/2020

Received with thanks from Dr Riyasat Peezade

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by Cash/Cheque/Draft Cash



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No. 1111

Date: 4/2/2020

Received with thanks from Dr. Harid Hasmi

the sum of Rupees One thousand only

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No. 1112

Date :

Received with thanks from Mr Aqueel Bajjwale  
the sum of Rupees One thousand only  
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No. 1114

Date: 7/2/2020

Received with thanks from Mr. Faheemuddin Ahmed

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No. 1115

Date : 7/2/2020

Received with thanks from Mr M. S. Atre

the sum of Rupees One thousand only

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No. 1116

Date :

Received with thanks from Mr Muzza Baig  
the sum of Rupees one thousand only  
on account of International Conference dated 7 & 8 Feb, 2020  
by Cash/Cheque/Draft ROL



1000/-



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No. 1118

Date : 7<sup>th</sup> Feb, 2020

Received with thanks from Mr Moees Sayyed

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on account of International Conference dated 7<sup>th</sup> & 8<sup>th</sup> Feb, 2020

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No. 1121

Date : 7/2/2020

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No. 1125

Date: 7/2/2020

Received with thanks from Mr V. P. Brahmanekar

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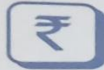
Date : 7/2/2020

Received with thanks from Mrs Deepika Kinnge

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on account of International Conference 7<sup>th</sup> & 8<sup>th</sup> Feb, 2020

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No. 1128

Date: 7/2/2020

Received with thanks from Ms Reshma Patil

the sum of Rupees One thousand only

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by Cash/Cheque/Draft Cash



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No. 1129

Date : 7/2/2020

Received with thanks from Mrs Shabana Mulla  
the sum of Rupees One thousand only  
on account of International Conference dated 7<sup>th</sup> & 8<sup>th</sup> Feb, 2020  
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No. 1132

Date : 7/2/2020

Received with thanks from Ms Alfiya Pathan

the sum of Rupees One thousand only

on account of International Conference dated 7<sup>th</sup> & 8<sup>th</sup> Feb, 2020

by Cash/Cheque/Draft Cash



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No. 1134

Date: 7/2/2020

Received with thanks from Mrs ERAM KHAN

the sum of Rupees One thousand only

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No. **1137**

Date : 7/2/20

Received with thanks from Ms Fayeza Shaikh

the sum of Rupees One thousand only

on account of International Conference dated 7<sup>th</sup> to 8<sup>th</sup> feb, 2020

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Fax : +91-20-26453707

No. 1138

Date: 7/2/2020

Received with thanks from Ms Heena Sayyed

the sum of Rupees One thousand only

on account of International Conference dated 7<sup>th</sup> Feb 2020

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Fax : +91-20-26453707

No. **1139**

Date : **7/2/2020**

Received with thanks from **Ms Sonika Suman**

the sum of Rupees **One thousand only**

on account of **International Conference dated 7<sup>th</sup> Feb, 2020**

by Cash/Cheque/Draft **Cash**



**1000/-**



*Receiver's Signature*



Y & M Anjuman Khairul Islam's

# POONA COLLEGE OF ARTS, SCIENCE & COMMERCE, PUNE

(Affiliated to Savitribai Phule Pune University: ID No PU/PN/ASC/023/1976)

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No. 1140

Date: 7<sup>th</sup> Feb, 2020

Received with thanks from Mr Waliya Wahid

the sum of Rupees One thousand only

on account of International Conference dated 7<sup>th</sup> & 8<sup>th</sup> Feb, 2020

by Cash/Cheque/Draft Cash

₹ 1000/-



Receiver's Signature