



Azad Mahavidyalaya, Ausa, Dist. Latur and Rajarshi Shahu Mahavidyalaya, Latur (Autonomous) entered into MoU for various academic activities such as Sharing and mobilization of resources, infrastructure and utilization of the expertise from the various departments of college, Core research, Skill development programs, Faculty exchange, organization of webinar, conferences, seminars in collaboration with consents of each other, etc. Any other areas of mutual interest. Since then, several events have been planned. The following is a list of the numerous events: Statement of the benefits to Students and staff from different activities.

Sr.	Name of the	Date of	Beneficiary	Number of	Impact of the
No	Activity	Activity		Beneficiaries	Activity
1	Two day Workshop on Synopsis and Article Writing in LIS	10-02-2023	Students	23	Students got knowledge how to write an research essay in LIS.
2	Guest Lecture on NEP-2020	06-04-2023	Teacher	01	Delivered guest lecture on Higher Education Reforms under NEP-2020 (Dr Abhijit Yadav)
3	One Day Multidisciplinary International e- Conference	20-07-2021	Teacher	01	(Chairperson: II nd Technical Session Dr. Prakash Rodiya, Department of Commerce, Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)
4	National level e- Seminar on Geography Today and Tomorrow	21-01-2021	Teacher	01	Delivered invited talk on National level e- Seminar Resource person (Dr Suresh Phule)
5	Celebration of International Minority Right Day	29-12-2020	Students	35	Special Guest Lecture On: Minorities rights, Social meaning and contradiction
6	State Level One Day Workshop on Development of Online Teaching Material Organised	06-07-2020	Teacher	01	Delivered Invited Talk on State Level One Day Workshop Resource Person (Aman Skaikh)

List of Activities Under MoU

	by Azad Mahavidyalaya, Ausa				
7	National Level e- Workshop on Online AQAR organised by Azad Mahavidyalaya, Ausa	18-01-2021	Teacher	01	Delivered invited talk as Resource Person by Dr A A Yadav on National Level e- Workshop on Online AQAR
8	National Level e- Workshop on Online AQAR organised by Azad Mahavidyalaya, Ausa	18-01-2021	Teacher	01	Guest of Honour (Dr Mahadev Gavhane)
9	Ph.D. research work	2018-19 to 2022-2023	Student	02	Ph.D. research work of A.D. Kanwate and Shaikh Shafik
10	Member IQAC of Azad Mahavidyalaya, Ausa	2021-22 to 2022-2023	Teacher	01	Dr. Abhijit Yadav as Member of IQAC, Azad Mahavidyalaya, Ausa
11	Online webinar on Zoom as an Online Teaching Platform	27/07/2020	Teacher	01	Resource Person Dr A. A. Yadav
12	Research Article Publication	Nov. 2022	Teacher	02	Dr. A. A. Yadav, Rajarshi Shahu Mahavidyalaya, Latur. and Dr. R. V. Suryawanshi, Azad Mahavidyalaya, Ausa
13	Member BoS in Electronics	2021-22 to 2022-2023	Teacher	01	Dr. R. V. Suryawanshi, Member BoS in Electronics
14	Celebration of Minority Rights Day	18-12-2019	Student	39	Resource Person Shri. Mazhar Kotwal Assistant Professor Azad Mahavidyalaya, Ausa, Tq. Ausa, Dist. Latur

1. Two day Workshop on Synopsis and Article Writing in LIS



Prof V. V. Gaikwad highlighting the method of writing a research composition during the workshop



Dr. Mahadev Ghavane Principal R.S.M. Latur guiding in the workshop during the concluding session

Rajarshi Shahu Mahavidyalaya (Autonomous), Latur Department of Library Two day Workshop

on

Synopsis and Article Writing List of Participant

		Date : 10	/02/2023
Sr. No	Name of the Participant	10-02-23	11-02-23
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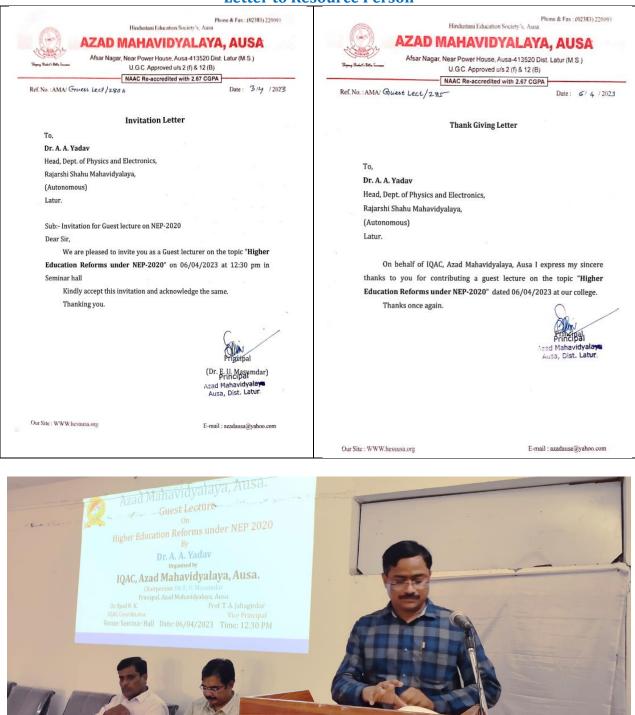
Date : 10/02/2023

Detailed Report of the Activity:

https://www.shahucollegelatur.org.in/Library%20Activity/2022-23/Two%20day%20workshop%20on%20synopsis%20and%20Article.pdf

2. Guest Lecture on NEP-2020

Letter to Resource Person



Resource person Dr A.A Yadav discussing NEP-2020

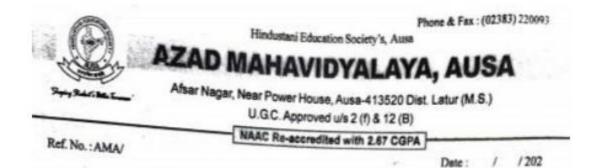
3. One Day Multidisciplinary International e-Conference on Impact of Environment on Agriculture, Health, Water Resources, Social Life and Industrial Development

Certificate of Dr. P. R. Rodiya, Chairperson for One Day Multidisciplinary International e-Conference

Maharashtra Mahavidyalaya, Nilanga www.mmnilanga.org Maharashtra College of Pharmacy, Nilanga ncpnilanga.org and. stanl Education Society's Azad Mahavidyalaya, Ausa http://azadcollegeausa.org Jointly Organized One Day Multidisciplinary International e-Conference Impact of Environ on Agriculture. ources. Social Life e in 116111 CERTIFICATE This is to certify that Prof./Dr./Mr./Ms. Dr. Prakash R. Rodiya Rojarshi shahu mahavidyalaya latur has participated in One Day Multidisciplinary International e-Conference on 'Impact of Environment on Agriculture, Health, Water Resources, Social Life & Industrial Development' Jointly Organized by the Maharashtra Mahavidyalaya, Nilanga, Maharashtra College of Pharmacy, Nilanga, and, Azad Mahavidyalaya, Ausa on Tuesday, July 20, 2021. He/She has participated and presented a research paper entitled TINd Technical Session Chair person Convener Convener Convener Dr. S. S. Patil Dr. E. U. Masum Dr. M. N. Kolpuke Principal, Principal, Maharashtra College of Pharmacy, Nilanga shtra Mahavidyalaya Nilanga

4. National level e-Seminar on Geography Today and Tomorrow

Letter of thanks to resource person Dr. S. J. Phule



Date: - 21/01/2021

Letter of Thanks



To,

Dr. Suresh J. Phule, Professor in Geography, Rajarshi Shahu Mahavidyalaya, (Autonomous) Latur, Dist. Latur.

Subject:- Letter of thanks... Respected Sir,

I take this opportunity to express my sincere thanks to you for accepting our invitation as a Resource Person and delivering an invited talk in "National Level e-Seminar on Geography Today and Tomorrow" at our college on 21/01/2021

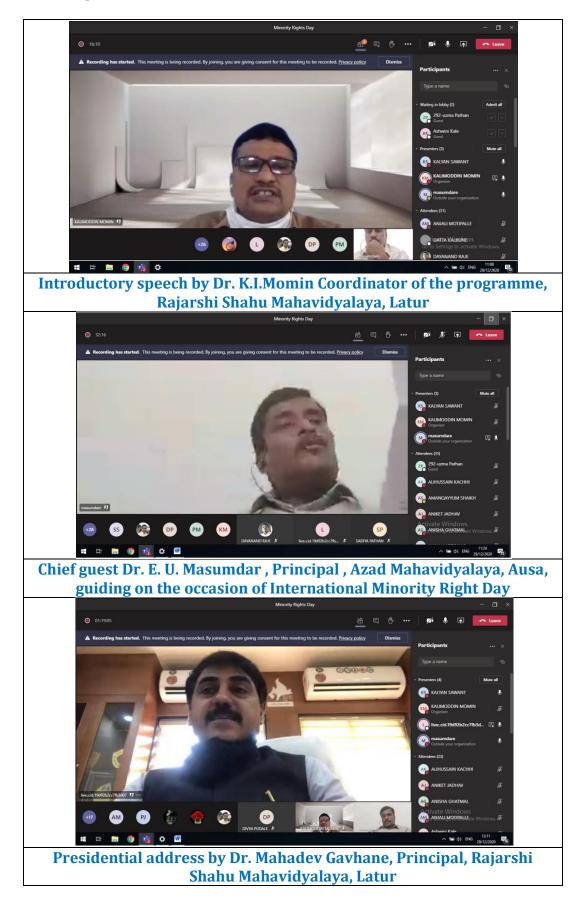
Hope the same response in future also. Thanking you.

fond Azad Mahovidyelaya Ausa Dist Latur

Our Site : WWW.hesausa.org

E-mail : azadausa@vahoo.com

5. Celebration of International Minority Right Day Resource Person Dr. E. U. Masumdar (Ausa Mahavidyalaya, Ausa) Special Guest Lecture On: Minorities rights, Social meaning and contradiction



6. State Level One Day Workshop on Development of Online Teaching Material Organised by Azad Mahavidyalaya, Ausa.

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INVITATION LETTER	LETTER OF THANKS
To, Prof. A. K. Shaikh .	
Department of Computer Science,	To,
Rajarshri Shohu Mahavidyalaya	Prof. A. K. Shaikh ,
(Autonomous) Latur,	Department of Computer Science,
Dist Latur	Rajarshri Shahu Mahavidyalaya
Subject:- Regarding as a resource person	(Autonomous) Latur,
	Dist. Latur.
Dear Sir,	Park. Theorem in Later
You are kindly invited as a resource person for state level one day	Sub:- Thanks giving letter
workshop on Devlepment of Online Teaching Material, organized by Azad	Respected Sir,
Mahavidyalaya, Ausa on dated 06/07/2020 at 11:00 am to guide on the topic	With reference to above subject we are very much thankful for delivering a talk
Devlopment of Online Teaching Material	on Online Devlopment of statelevel Teaching Material in one day workshop on
Kindly accept our invitation	devlepment of online teaching material organized by IQAC of at Azad
Thanking you.	Mahavidyalaya, Ausa on dated :06/07/2020
Principal Azad Mabavidyatav Auan Dist. Lativ	Thanks once again.

7. National Level e-Workshop on Online AQAR organised by Azad Mahavidyalaya, Ausa

Invitation letter to resource person Dr. A. A. Yadav

Reg. No.: OSM/36/78 F-312L Hindustani Education Society's, Ausa.

AZAD MAHAVIDYALAYA, AUSA Afsar Nagar, Ausa-413520 Dist. Latur (M. S.) U.G.C. Approved w/s 2(f) & 12 (B)



हिन्दुस्थानी एज्युकेशन सोसायटी संचालिन आझाद महाविद्यालय, औसा

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Date: / /

संस्था नॉवणी क. OSM/36/78 F-312L

Ref. No. : AMA/ 239

Date: - 11/01/2021

Invitation Letter

To,

Dr. A. A. Yadav,

IQAC Coordinator and Head, Department of Physics,

Rajarshi Shahu Mahavidyalaya,

(Autonomous)

Latur, Dist. Latur.

Subject:- Invitation as a Resource Person for National Level e-workshop on online AQAR...

Respected Sir,

It gives me an immense pleasure to invite you as a Resource Person for "National Level e-workshop on online AQAR" on dated **18/01/2021**. Kindly accept our invitation and deliver an invited talk as Resource Person on NAAC Criteria III, IV and V.

Thanking you.

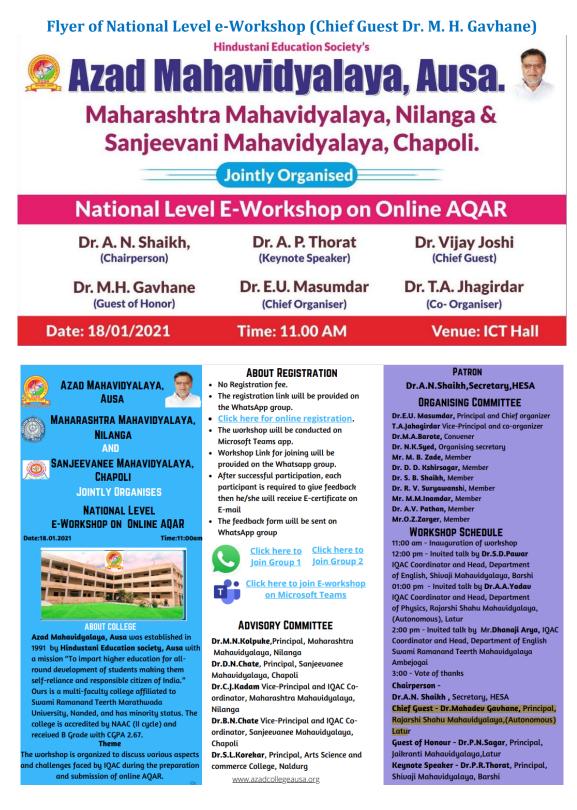
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Our Site www.hesaazad.or

Phone & Fax: (02383) 2200

E-mail azadausa@yahoo.com

8. National Level e-Workshop on Online AQAR organised by Azad Mahavidyalaya, Ausa



PhD Notification of Mr. Arvind Kanwate

Ref./P.G./Ph.D./2022-23/ 360% Date: 21/03/2 Ref./P.G./Ph.D./2022-23/ 360% Date: 21/03/2 It is hereby notified for the information of all concerned that the report of the reference appointed to examine and adjudicate the Thesis entitled: "Synthesis, Characterization and Applications of CdSe1.* Tex Thin Films" Submitted by the candidate mentioned below has been accepted by this Univer and the candidate has been declared 'Eligible' for the award of Degree of: DOCTOR OF PHILOSOPHY(Ph.D.) Name of Researcher : Mr. Kanwate Arvind Dnyanoba Name of Guide : Dr. E. U. Masumdar Date of Registration : 09/12/2014 Subject : Physics Faculty : Science & Technology Research Title : "Synthesis, Characterization and Applications of CdS Viva- Voce Held On : March 21, 2023 Ph.D./Physics/Dec14/11 Date: 20.04.2015 Eligibility No. : Ph.D./Physics/Dec14/11 Date: 20.04.2015 O1 The University Grants Commission, Bahadurshah Zafar Marg, New Delhi. 02 The Joint Secretary Association of Indian Universities, AIU House, 16 Kota Marg, New Delhi-110002. 04 The Editor, University Association of Indian Universities, AIU House, 16 Kota Marg, New Delhi-110 002. 05 The Director, Board of Examinations, this University <
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07 Research Guide: Dr. E. U. Masumdar
08 Researcher: Mr. Kanwate Arvind Dnyanoba
09 Convocation Section, this University
 The Director, Knowledge Resource Center, this University Research Center: Rajarshi Shahu Mahavidyalaya (Autonomous), Latur

PhD Notification of Mr. Shaikh Shafik



Date:07/10/2021

NOTIFICATION

It is hereby notified for the information of all concerned that the report of the reference appointed to examine and adjudicate the Thems entitled:

"Synthesis, Characterization and Applications of CdS1. Tez Thin Films"

Submitted by the candidate mentioned below has been accepted by this University, and the candidate has been declared Wagible' for the award of Degree of:

DOCTOR OF PHILOSOPHY(Ph.D.)

Name of Researcher	Mr. Shaikh Shafik Shabbiraab
Name of Guide	: Dr. E. U. Masumdar
Date of Registration	22/06/2015
Subject	: Physics
Faculty	: Science & Technology
Research Title	"Synthesis, Characterization and Applications of $CdS_{1,\alpha}Te_{\alpha}$: This Films"
Viva- Voce Held On	: October 07, 2021
Eligibility No.	: Ph.D./Phy./June-15/18, Date:16.03.2016

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- 08 Researcher: Mr. Shaikh Shafik Shabhirsab
- 09 Convocation Section, this University
- 10 The Director, Knowledge Resource Center, this University
- 11 Research Center

10. Member IQAC of Azad Mahavidyalaya, Ausa

Invitation letter to Resource Person Dr. Abhijit Yadav

Reg.No. OSM/36/78 F 312 L

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हिन्दुस्थानी एज्युकेशन सोसायटीचे आझाद महाविद्यालय, औसा अफसर नगर, औसा ता.औसा जि.लातूर

स्वाची राजानंदरीओं मराठवाडा विद्यापीठ, तांदेव संसापीत, जेंक प्रमाणित थी + दानां प्राप्त

जा. क. AMA/2022-23/38/2

दिनांक. 29/07/22

Invitation Letter

To,

Dr. Abhijit Yadav,

Head, Dept of Physics

Rajarshi Shahu Mahavidyalaya, Latur.

Subject: - Invitation to the meeting with NAAC Peer Team.

Respected sir,

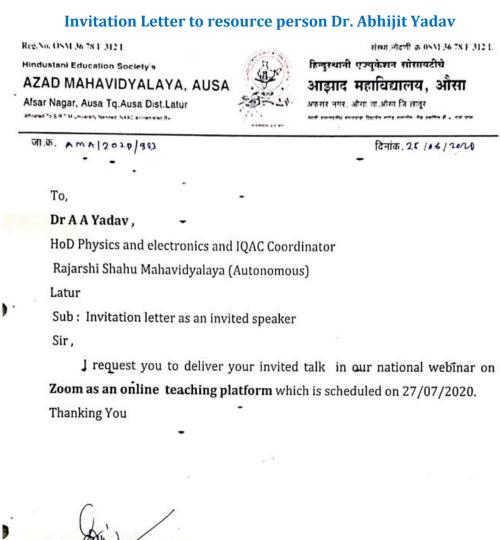
It gives me an immense pleasure to inform you that NAAC Peer Team is scheduled to visit our college on 3rd and 4th August 2022 for assessment. The team is going to have academic dialogue with IQAC members. Hence you are kindly invited for the meeting with honourable NAAC Peer Team on dated 0¹/₄08/2022 at 11.00 am. Kindly accept our invitation and arrange to attend for academic dialogue with the NAAC Peer Team.

Thanking you.



Azad M uyalaya Ausa Dist Latur

11. Online webinar on ZOOM as an Online Teaching Platform



Dr E U Masumdar Principal and Chairman IQAC Azad Mahavidyalaya, Ausa Principal Asad Mahavidyalaya Ausa Dist. Latur Reg.No. OSM 36 78 F 312 L

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अकत्तर नगर, औता ता ओत्स जि.तातूर कर प्रस्तर्थ स्टाइ फार्यर नगर स्वर्णन के स्वर्णन है - इन वर्ष

JI.S. AMA 2000/34A

Gito. 27 107/2020

To,

Dr A A Yadav ,

HoD Physics and electronics and IQAC Coordinator

Rajarshi Shahu Mahavidyalaya (Autonomous)

Latur

Sub: Letter of thanks

Sir,

I express my sincere gratitudes towards you for accepting our invitation and to delivering your invited talk in our **national webinar on Zoom as an online teaching platform** on 27/07/2020.

Thanking You

Dr E UMasumdar Principal and Chairman IQAC Azad Mahavidyalaya, Ausa Principal Azad Mahavidyalaya Ausa Dist. Latur

Thanks Letter to resource person Dr. Abhijit Yadav

Publication of Research Article of Dr. A. A. Yadav, Rajarshi Shahu Mahavidyalaya, Latur. and Dr. R. V. Suryawanshi, Azad Mahavidyalaya, Ausa

Advances in Engineering Science and Technology Volume I (ISBN: 978-93-91768-89-8)

STUDIES OF COPPER SULPHIDE THIN FILMS DEPOSITED BY CBD TECHNIQUE

R. V. Suryawanshi^{*1}, R. M. Mahindrakar², M. A. Barote¹, G. D. Tingare¹,

B. D. Ingale¹, A. A. Yadav³ and E. U. Masumdar¹

¹Department of Physics & Electronics,

Azad Mahavidyalaya Ausa, Ta. Ausa, Dist. Latur- 413520, M.S., India ²Department of Physics, Arts, Science and Commerce College, Naldurga, Ta. Tuljapur, Dist. Osmanabad – 413620, M. S., India ³Rajarshi Shahu Mahavidyalaya, Ta. Dist. Latur- 413512, M. S., India *Corresponding author E-mail: sundarys1095@gmail.com

Abstract:

Copper Sulphide (CuS) thin films deposited on glass substrates by the Chemical Bath Deposition technique. Copper Sulphide for copper and Thiourea for sulfur were used as sources for Copper and Sulphur ions respectively. Effect of bath temperature concerning the assets of copper sulphide films was studied. Optical characterization was done by using a UV- VIS spectrophotometer in the wavelength range of 200 nm to 1100 nm. Transmittance, absorbance and band gap were calculated. Band gap energy range was found in between 2.25 eV to 2.34 eV and these consequences that the films can appropriately be castoff in the formation of solar cells. XRD studies long-established that the thin films had hexagonal structure and confirmed the excellence of crystallinity of the films by acquisitive the bath temperature. Surface roughness, thickness of the films and grain size were also improved with increasing of bath temperature from 50 and 55 °C. However, the samples deposited at 55 °C showed comparable and uniform structure giving to SEM and EDAX pictures. Electrical transport readings exhibited that the films are semiconducting in nature. Highest room temperature electrical conductivity of $6.37 \times$ 10^{-3} to 8.34×10^{-3} (Ω -cm)⁻¹ was observed for the films. Thermo power extents indicated similar manner of variations corresponding to the electrical conductivity and that the samples show ntype conduction. The bath temperature was one of the key deposition parameters that control the possessions of semiconductor thin films.

Keywords: CBD technique, XRD studies, SEM and EDAX, semiconductor thin films.

Dr. R. V. Suryawanshi, Member BoS in Electronics at Rajarshi Shahu Mahavidyalaya, Latur

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President	Secretary	Principal

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Date:03/08/2023

NOTICE

A meeting of Board of Studies in **Electronics** under the Faculty of Science is fixed on 06/08/2023 at 01.00 p.m. in online mode. The link for joining a meeting will be shared separately. Kindly make it convenient to join the meeting.

BUSINESS/AGENDA

- 1. To confirm the minutes and action taken report of earlier BoS meeting held on 16.03.2023.
- 2. To finalize the syllabus of B.Sc. I Electronics under NEP-2020.
- 3. Any other subject with the permission of Chairperson

PRINCH ΔΤ.

Rajarshi Shahu Mahavidyalaya,Latur (Autonomous)

Members of BoS in Electronics under the faculty of Science

1.Dr.Abhijit Yadav –Chairman Head of Department Physics Rajarshi Shahu Mahavidyalaya (Autonomous), Latur-413512	8.Dr.G.S.Shahane-Member DBF Dayanand college Solapur Mo.No.9890846098 Email:shahanegs@yahoo.com
2. Dr.Dayanand Raje -Member Rajarshi Shahu Mahavidyalaya (Autonomous), Latur-413512	9.Dr. S.D.Gothe-Member HoD Electronics Sangameshwar College, Solapur (Autonomous) Mo.No.9511868755 Email:gothesd@sangameshwarcollege.ac.in
3. Mr.Swapnil Undalkar– Member Rajarshi Shahu Mahavidyalaya (Autonomous), Latur-413512	10.Dr. G.N.Shinde – Member Principal Yashwant Mahavidyalaya, Nanded Mo.No.9922724788 'Email:shindegn@yahoo.co.in
4.Mr.Atul More-Member Rajarshi Shahu Mahavidyalaya (Autonomous), Latur-413512	11.Dr. R.V.Dhekale -Member Perfect Electronics. Behind S.T.Stand, dattanagar, Wai, Satara, Maharashtra Mo.No.9822241255 Email:rvdhekale2@gmail.com
5. Miss MayuriHawaldar - Member Rajarshi Shahu Mahavidyalaya (Autonomous), Latur-413512	12.Dr.R.V. Suryawanshi Azad Mahavidyalaya, Ausa, Latur Mo.No.8421834701 Email: sundarvs@gmail.com
6. Miss Vishakha Patil - Member Rajarshi Shahu Mahavidyalaya (Autonomous), Latur-413512	13. Dr. R. R.Londhe-Member HoD, Computer Science Rajarshi Shahu Mahavidyalaya, (Autonomous) Latur Mo.No.9545226333 Email:renukalondhe09@gmail.com
7. Mr. Suraj Gund- Member Rajarshi Shahu Mahavidyalaya (Autonomous), Latur-413512	

14. Celebration of Minority Rights Day



Principal Dr. M.H. Gavhane Welcoming resource person Prof. Mazhar Shaikh



Dr. Kalimoddin Momin giving introductory speech

Detailed Report of the Activity: <u>https://www.shahucollegelatur.org.in/Minority-</u> <u>Cell/Activities/Minority Rights Day Program 2019.pdf</u>

Date: 13/01/2024

Principal