

# Memorandum of Understanding/ Linkage

This Memorandum of Understanding (MOU)/ Linkage is between Department of Mathematics, K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College, Vidyanagar, Bhosare, Tal. Madha, Dist Solapur Pin- 413208 represented by its Principal

AND

Department of Mathematics, S. G. R. G. Mahavidyalaya, Paranda, Dist. Osmanabad. represented by its Principal for establishing a link between these two organizations to enhance each other's educational, academic and research activities in mutually beneficial manner.

## Objectives:

1. To organize seminars/workshops/orientation programs in the subject of Mathematics at undergraduate level.
2. Exchange, on a reciprocal basis, of teachers and students for academic activities.
3. To organize different quiz competitions and programs for the overall personality development.
4. To arrange Guest/Expert lectures for students to exchange knowledge.

## Conditions:

1. Revision or Modification in the Memorandum of Understanding ('MOU')/ Linkage may be done by both the parties with mutual understanding.
2. Memorandum of Understanding ('MOU')/ Linkage may be terminated by giving the notice to each party before the actual expiry date.
3. Memorandum of Understanding ('MOU')/ Linkage may be extended if both parties agree to continue it.


## Durations:

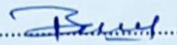
This Memorandum of Understanding (MOU)/ Linkage will be effective from 01 April, 2022 and will be terminated after five years.

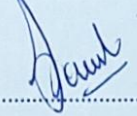
## Sign and seal:

1.   
Head,  
Department of Mathematics



1.   
Head,  
Assistant Professor & Head  
Department of Mathematics  
S.G.R.G. Shinde Mahavidyalaya  
Paranda, Dist. Osmanabad-413502

2.   
Principal  
K.N. Bhise Arts, Commerce &  
Vinayakrao Patil Science College  
Vidyanagar Bhosare, Dist-Solapur

2.   
Principal  
Principal  
Shikshanacharya G. R. G. Shinde Mahavidyalaya, Paranda  
Dist. Osmanabad

**MadhaTaluka Shikshan Prasarak Mandal's**  
**K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,**  
**Vidyanagar, Bhosare**  
NAAC 'A' Grade (CGPA -3.10)

Paranda Road, Kurduwadi, Tal- Madha, Dist-Solapur Pin- 413208 (Maharashtra)  
Phone No. :- (02183)223245

Email: [knbacck@yahoo.co.in](mailto:knbacck@yahoo.co.in)

## Activity Report

Name of the Department/ Committee : Department of Mathematics

Activity Report Year : 2022-23

Name of the activity : Guest/ Expert Lecture on Differential Equation

Date	Department		Coordinator Name
20/04/2023	Department of Mathematics		Mr. Shinde V.S.
Time	Venue	Activity for the class/ group	Nature of the activity
8.10AM onwards	Class Room B.Sc.-I	B.Sc.-I & II	Guest/ Expert Lecture on Differential Equation

**Support/ Assistance:** Mr. Shiraskar B.N.

**General information of the activity:**

<b>Topic of the Activity</b>	Guest/Expert Lecture on Differential Equation
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<b>Objective:-</b>	To find the particular integral of linear differential equation using Short/ Special Methods.
<b>Methodology:-</b>	Expert given lecture on Short/ Special Methods for finding particular integral of linear differential equation.
<b>Outcomes:-</b>	Students will be able to find the particular integral of a linear differential equation with constant coefficients.
<b>No. of Participants:</b>	The lecture was attended by 21 students

**Proofs attached:**

1. Report	3. Students Notice
2 Geo-Tagged Photos of the event.	4. Students List (Attendance)

# Photos of Guest Lecture on Mathematics (2022-23)



(Introduction of Guest by Mr. V.S.Shinde)



(Guest Lecture on Differential Equation by Dr. V. V. Nalawade)

Madha Taluka Shikshan Prasarak Mandal's  
**K N. Bhise Arts, Commerce and Vinayakrao Patil Science College,**  
**Vidyanagar, Bhosare**

Paranda Road, Kurduwadi, Tal- Madha, Dist Solapur Pin- 413208 (Maharashtra)

Email: [knbacck@yahoo.co.in](mailto:knbacck@yahoo.co.in)

Phone No. :- (02183)223245

Fax No. :- (02183)223245

Ref. No. KNBACCK/

Date: 18/04/2023

**Department of Mathematics**  
**Notice**

All the students of the B.Sc.-I and II are hereby informed that the Department of Mathematics is going to organize a Guest lecture on the topic of Differential Equation on Short / Special Methods to find the particular integral of linear differential equation with constant coefficient of Dr. V. V. Nalawade, Head, Department of Mathematics, S. G. R. G. Mahavidyalaya, Paranda, Dist.-Osmanabad. The attendance of all students is compulsory.

**Venue :- B.Sc.-I (Classroom)**

**Date:-20/04/2023**

**Time:- 8:10 A.M.**



**I/c.Principal**  
**K.N.Bhise Arts,Commerce &**  
**Vinayakrao Patil Science College**  
**Vidyanagar Bhosare,Dist-Solapur**



Madha Taluka Shikshan Prasarak Mandal's  
**K. N. Bhise Arts, Commerce and Vinayakrao Patil Science  
College, Vidyanagar, Bhosare**

Paranda Road, Kurduwadi, Tal- Madha, Dist Solapur Pin- 413208 (Maharashtra)  
(NAAC Re-accredited "A" with CGPA 3.10)

Phone No. :- (02183)223245

Email:-[knbacck@yahoo.co.in](mailto:knbacck@yahoo.co.in)

Ref. No. **KNBACCK/ 2822/ 2023**

Date: **17/4/2023**

To,

Dr.Nalawade V. V.  
Head and Assistant Professor,  
Department of Mathematics,  
S.G.R.G. Mahavidyalaya,Paranda,  
Dist. Osmanabad.

**Subject:** Letter of Invitation for A Guest Speaker/ Expert Lecturer.

Respected Sir,

"We cordially invite you as a Guest Lecturer on the Topic "Short Methods for finding Particular Integral of Linear Differential Equation" on Thursday, 20<sup>th</sup> April 2023 at 8:10 am. in Department of Mathematics.

We look forward to your response and we hope you'll accept the invitation and guide our students.

Thanking You.

*B. V. V.*  
I/c.Principal  
K.N.Bhise Arts, Commerce &  
Vinayakrao Patil Science College  
Vidyanagar Bhosare, Dist-Solapur

Received  
*Chalchavan*  
17/04/2023.

Madha Taluka Shikshan Prasarak Mandal's  
**K. N. Bhise Arts, Commerce and Vinayakrao Patil Science  
College, Vidyanagar, Bhosare**

Paranda Road, Kurduwadi, Tal- Madha, Dist Solapur Pin- 413208 (Maharashtra)

(NAAC Re-accredited "A" with CGPA 3.10)

Phone No. :- (02183)223245

Email:-[knbacck@yahoo.co.in](mailto:knbacck@yahoo.co.in)

Ref. No. KNBACCK/ 2826 / 2023

Date: 20/4/2023

To,

Dr. V. V. Nalawade  
Head and Assistant Professor,  
Department of Mathematics,  
S.G.R.G. Mahavidyalaya, Paranda,  
Dist. Osmanabad.

**Subject:** Letter of Thanks


Respected Sir,

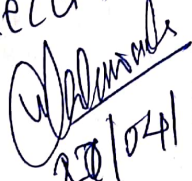
I would like to thank you for sparing your valuable time for conducting a Guest Lecture on "Short Methods for finding Particular Integral of Linear Differential Equation" on Thursday, 20<sup>th</sup> April 2023 in our college. Your session was nice, informative and very useful to our students. Your kind presence in the function encouraged us a lot and made us more confident. It was a great pleasure to host you at our Institute as a Guest.

We hope that this kindness & cooperation will remain continue in the future.

With warm regards.

Thanking You,

  
I/c.Principal  
K.N.Bhise Arts, Commerce &  
Vinayakrao Patil Science College  
Vidyanagar Bhosare, Dist-Solapur

Received  
  
20/04/2023.

## **Memorandum of Understanding / Linkage**

This memorandum of understanding / Linkage is between Department of Zoology, of K.N. Bhise Arts, Commerce and Vinayakrao Patil Science College, Vidyanagar Bhosare. Kurduwadi represented herein by its principal

**AND**

Shri Samarth Laboratory , Bagal Nagar, Kurduwadi represented by its owner for establishing a linkage between these two institutions to enhance each other's educational, academic and research activities in mutually beneficial manner.

### **Purpose -**

- 1) To organize guest lecture of laboratory expert.
- 2) To exchange research facilities, laboratory facilities and library facilities.
- 3) To arrange excursion study visits to enhance experiential knowledge of students.
- 4) To take hands on and learn about different pathological laboratory methodologies.

### **Conditions –**

- 1) Revision and modification in the memorandum of understanding / linkage may be done by both the parties with mutual understanding.
- 2) memorandum of understanding / linkage terminated by giving prior notice by both the parties.
- 3) memorandum of understanding / linkage may be extended if both parties agree to extend it.



**Duration –**

This memorandum of understanding / linkage will be effective from 2 January 2022 and will be terminated after five years.

Shri. Samarth Pathology  
Laboratory, Bagal Nagar, Kurduwadi  
Partner Representative- Mr. Prashant  
Waghmode  
Director, Shri Samarth Laboratory  
Mobile - 9850792179

Department of Zoology  
K.N.Bhise Arts, Commerce and  
Vinayakrao Patil Science College,  
Bhosare.  
Partner Representative –  
Dr.S.S.Kshirsagar  
Mobile – 9923627875



Signature



Signature



Shri Samarth Laboratory  
Shri Samarth Laboratory  
Mr. Prashant J. Waghmode  
M.sc (Micro) ADMLT  
Re .No-AD/MLT/0013/2019  
Mob - 9850792179



Principal  
K.N.Bhise Arts, Commerce &  
Vinayakrao Patil Science College  
Vidyanagar Bhosare, Dist-Solapur

**Madha Taluka Shikshan Prasarak Mandal's**  
**K N. Bhise Arts, Commerce and Vinayakrao Patil Science**  
**College, Vidyanagar, Bhosare**

Paranda Road, Kurduwadi, Tal- Madha, Dist Solapur Pin- 413208 (Maharashtra)

**NAAC 'A' Grade (3.10 CGPA)**

**Activity Report**

Name of the Department/ Committee : **Department of Zoology**

Activity Report Year : **2022-2023**

Name of the activity : **Laboratory Visit**

Date		Department	Coordinator Name
		Zoology	Dr. Somanath Kshirsagar
Time	Venue	Activity for the class/ group	Nature of the activity
From 11.30 am onwards	Shri Samarth Laboratory , Kurduwadi	B.Sc. II year	Student Pathology Laboratory Visit Experiential Learning

**Support/ Assistance:** IQAC Members

**General information of the activity**

Topic of the Activity	Student Pathology Laboratory Visit
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<b>Objective</b>	To provide experiential knowledge to students about some pathology laboratory based practicals
<b>Methodology</b>	To study and hands on some pathological practicals
<b>Outcome</b>	Learn some methodology of pathology based practicals , students get direct experience in order to increase knowledge and develop laboratory skill.
<b>Participants No.</b>	29

**Madha Taluka Shikshan Prasarak Mandal's**  
**K N. Bhise Arts, Commerce and Vinayakrao Patil Science**  
**College, Vidyanagar, Bhosare**

Paranda Road, Kurduwadi, Tal- Madha, Dist Solapur Pin- 413208 (Maharashtra)

**NAAC 'A' Grade (3.10 CGPA)**

Proofs attached:

Geo-Tagged Photos of the event	Attendance list
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Photograph of event -



**Mr. Parashant Waghmode, the supervisor of Samarth Pathology Laboratory, describing how the equipment works.**

**K.N.Bhise Arts, Commerce and Vinayakrao Patil Science College,  
Bhosare. Kurduwadi**

**Topic of activity** – visit to Shri Samarth Laboratory, Kurduwadi

**Date** - 17/05/2023

**Department** – Zoology

**Teacher In charge** – Dr.S.S.Kshirsagar

Sr.No	Name of Student	Signature
1]	Komal Joti Ram Jagtap	K.J. Jagtap
2]	ARSHIYA AKLAKH DALWALE	Arshiya Dalwale
3]	Sapana sunil Gunjar	Sunjar
4]	Thavan Pragati Balasabeb	P.B. Chavan
5]	Pawar Sakshi Karatik	Pawar
6]	Yadav Tejashri Chandrakant	T.C. Yadav
7]	Bagal Manali Ramchandra	Bagal. M.
8]	Kshirsagar supriya sudhir	S.S. Kshirsagar
9]	Kshirsagar shobhani sudhir	S.S.K
10]	Pallavi Gomanath Kapore	P.Kapore
11]	Meher Sayli sanjay	S.S. Meher
12]	Komal Amal pavale	Komal P.
13]	Ayesha Majid Shaikh	A.M. Shaikh
14]	Supriya Suresh Dhore	Dhore
15]	Meghana sudhir Kabade	M.Kabade
16]	Rutuja Satish Patil	Patil
17]	Dhane Rajeshri Hanumant	Dhane
18]	Anantkawale Sanika Arjun	S.A. Anantkawale
19]	Mayuri Hanumant Magar	M. Magar
20]	Pooja Ganesh Lokare	P. Lokare
21]	Yadav Vaishnavi Pandurang	Yadav. V.P
22]	Bankar pooja Suresh	Bankar
23]	Chopade Rajal Shivaji	K.S. Chopade

  
**Teacher In charge**

- 24) Masalkar Chaitanya Ramesh  
25) Laxman Dattaraj Perbet  
26) Mali fohis Dattaraj  
27) Bhode Suresh Balasahab  
28) Kamble Harshal Laxman  
29) Gaware Sangram Sarata

Sr2

L.O. Perbet

Ramali

~~Sr2~~  
Harshal  
Ans

## **Memorandum of Understanding MoU/ Linkage**

**Between**

**K.N. Bhise Arts, Commerce and Vinayakrao Patil Science College,  
Vidyanagar, Bhosare  
Taluka Madha, Dist. Solapur**

**and**

**Shri Samarth Pathology Laboratory, Kurduwadi**

This MoU made on the First day of July 2022, between Department of Microbiology, K.N. Bhise Arts, Commerce and Vinayakrao Patil Science College, Vidyanagar, Bhosare, Taluka Madha, District Solapur, State Maharashtra affiliated to Punyashlok Ahilyadevi Holkar Solapur University, Solapur through its authorized signatory and Shri Samarth Pathology Laboratory, Kurduwadi trust duly registered.

WHEREAS K.N. Bhise Arts, Commerce and Vinayakrao Patil Science College, Vidyanagar, Bhosare is an educational body engaged in education and research.

**And**

Shri Samarth pathology Laboratory, Kurduwadi is pathology laboratory providing various clinical diagnostic facilities and agrees to provide demonstration of pathology related practical to students of K.N. Bhise Arts, Commerce and Vinayakrao Patil Science College, Vidyanagar, Bhosare.

**Now this MoU witness and it is agreed by and between the parties as follows**

- 1) Guest lecture to the students from representative of pathology Laboratory.
- 2) Pathology laboratory shall permit the students to get hands on some laboratory experiments.
- 3) To demonstrate the students some practical.
- 4) Other forms of cooperation are made by mutual agreements

MoU can be terminated by either party by giving one month's prior notice.

This MoU shall come into force with effect from 1<sup>st</sup> July 2022 and will terminate on 30<sup>th</sup> June 2027 by either party by giving written notice to this effect.

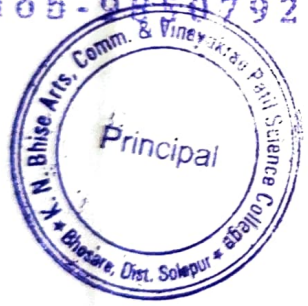
Shri Samarth Pathology Laboratory,  
Kurduwadi  
Partner representative- Mr. Prashant  
Waghmode  
Director Shri Samarth Pathology  
Laboratory  
Mobile no. 9850792179  
[prashantjwaghmode@gmail.com](mailto:prashantjwaghmode@gmail.com)

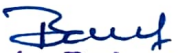
Department of Microbiology, K.N. Bhise Arts,  
Commerce and Vinayakrao Patil Science College,  
Vidyanagar, Bhosare  
Partner representative- Dr. N. D. Deshmukh  
Mobile no. 8830166536  
[nitindeshmukh121@gmail.com](mailto:nitindeshmukh121@gmail.com)



Signature of Representative  
Shri Samarth Laboratory  
Mr. Prashant J. Waghmode  
M.sc (Micro) ADMLT  
Re .No-AD/MLT/0013/2019  
Mob-9850792179

Signature of Representative  
Head, Department of Microbiology  
KNBAC & VPS College. Bhosare



  
I/c.Principal  
K.N.Bhise Arts, Commerce &  
Vinayakrao Patil Science College  
Vidyanagar Bhosare, Dist-Solapur

11/07/2022

11/07/2022

Date

Date

**Madha Taluka Shikshan Prasarak Mandal's**  
**K N. Bhise Arts, Commerce and Vinayakrao Patil Science**  
**College, Vidyanagar, Bhosare**  
Paranda Road, Kurduwadi, Tal- Madha, Dist Solapur Pin- 413208 (Maharashtra)

**NAAC 'A' Grade (3.10 CGPA)**

## MoU Activity Report

Name of the Department/ Committee : **Microbiology Department**  
Activity Report Year : **2022-23**  
Name of the activity : **Visit to Samarth Pathology Lab, Kurduwadi**

Date		Department	Coordinator Name
17 May 2023		Microbiology	Mr. Deepak Jadhav
Time	Venue	Activity for the class/ group	Nature of the activity
From 11.30 am onwards	Shri Samarth Pathology Laboratory, Bagal Nagar, Kurduwadi	B.Sc. II and III-year Students	MoU activity

**Support/ Assistance:** IQAC Members

### General information of the activity

Topic of the Activity	To Visit Shri Samarth Pathology Laboratory to understand the significant pathological tests through Microbiology point of view.
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<b>Objective</b>	Objective of this study tour was to provide participants with a hands-on learning experience about the operational procedures, diagnostic processes, and the role of pathology in healthcare.
<b>Methodology</b>	Mr. Prashant Waghmode, explained all the tests conducted in the lab and encourage students to take the hands-on experience of all the machinery.
<b>Outcome</b>	All students gained the knowledge about working of pathological lab and various tests carried out in the laboratory.
<b>Participants No.</b>	30

### Proofs attached:

Correspondence letters	Attendance list
Geo-Tagged Photos of the event	
Program schedule	



  
Head, Department of Microbiology  
KNRAC & VPS College, Bhosare

  
I/c. Principal  
K.N. Bhise Arts, Commerce &  
Vinayakrao Patil Science College  
Vidyanagar Bhosare, Dist-Solapur



Madha Taluka Shikshan Prasarak Mandal's  
**K N. Bhise Arts, Commerce and Vinayakrao Patil Science  
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Paranda Road, Kurduwadi, Tal- Madha, Dist Solapur Pin- 413208 (Maharashtra)

**NAAC 'A' Grade (3.10 CGPA)**



All faculty members and Students while field Visit 17-05-2024



Students while field Visit 17-05-2024

**Madha Taluka Shikshan Prasarak Mandal's**  
**K N. Bhise Arts, Commerce and Vinayakrao Patil Science**  
**College, Vidyanagar, Bhosare**

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**NAAC 'A' Grade (3.10 CGPA)**

17-05-2024

**B.Sc. Microbiology Students Field Visit Attendance under MoU**

SP. NO	NAME	Signature
1)	Parbat Shambhaji e Panait	sp.king
2)	Pallavi Gurudev Hanumant	<del>Salunkey</del>
3)	Ubate Akesh Bapu	A. B. Ubate
4)	Kumbhar Shubham Dattatray	<del>Shubham</del>
5)	Kshirsagar Om Rajendra	<del>Om</del>
6)	Nagane Gayatri Sanjay	<del>G</del>
7)	Shingare Ashutosh Sunil	<del>Shingare</del>
8)	Patkhare Shubham Yashappa	<del>A. Patkhare</del>
9)	Ghoge Ashok Rajesh	<del>D. Ghoge</del>
10)	Ghose Datta Mahadev	<del>B. S. Ghose</del>
11)	Kobade Rahul Sanjay	<del>Patil</del>
12)	Patil Pratiksha Santosh	<del>Snakal</del>
13)	Maske snehal Sanjay	A. S. Mandapure
14)	Mandapure. Aishwarya S	<del>S. S. Shinde</del>
15)	shinde sakshi sudhakar	<del>Jadhav P.R.</del>
16)	Jadhav Purna Ratnaji	k. s. Karale
17)	Karale komal Sanjay	<del>Deepali</del>
18)	Bhore deepali vilas	<del>Blax</del>
20)	Dolase Anuja Rahul	<del>Srushti</del>
21)	Lavate Srushti Anush	<del>Punam</del>
22)	Devkar Punam Vishnu	<del>Patel</del>
23)	Patel Samanbar Ajaz	Maneni A.I.
24)	Maneni Alfiya Feijudalim	
25)	Salve Akshaij Sudhir	A. S. Salve
26)	Das Anuja Dilip	<del>Adarsh</del>
27)	Chopade Kajal Shivaji	K. S. Chopade
28)	Bagwan Arsin Sadik	X. S. Bagwan
29)	Bagwan Jafat Riyaz	<del>Kajal</del>
30)	Shaikh Sana Altaf	<del>Altaf</del>

Head, Department of Microbiology,  
K.N.R.A.C. & VPS College, Bhosare

I/c. Principal  
K.N. Bhise Arts, Commerce &  
Vinayakrao Patil Science College  
Vidyanagar Bhosare, Dist-Solapur

**MEMORANDUM OF UNDERSTANDING/ LINKAGE**

**BETWEEN**

**K. N. Bhise Arts, Commerce and Vinayakrao  
Patil Science College, Bhosare  
Dist- Solapur  
(PIN - 413208)**

**&**

**Shivar Shetakari Samuh,  
Shiral (M)**

**FOR**

**Social Responsibility and Internship**

**MEMORANDUM OF UNDERSTANDING/  
LINKAGE**

This Memorandum of Understanding (MOU)/Linkage is made on this day between K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College, Vidyanagar, Bhosare and Shivar Shetakari Samuh, Shiral (M) in the office of The Principal, K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College.

**Purpose:**

The purpose of this MoU/Linkage is to provide training, teaching and to develop social awareness of the students for the holistic development.

**Conditions**

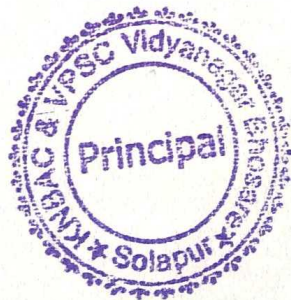
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2. MoU/Linkage may be terminated by giving the notice to each party before the actual expiry date
3. MoU/Linkage may be extended if both parties agree to continue it.

**Duration**

This MoU/Linkage will be effective from 01 July 2019 and will be terminated after five years



अध्यक्ष / सचिव  
शिवार शेतकरी समुह गट  
शिराल(मा)ता.माढा, जि.सोलापूर



  
Principal

K. N. Bhise Arts, Commerce &  
Vinayakrao Patil Science College  
Vidyanagar Bhosare, Dist. Solapur