



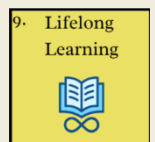
# ST. ALOYSIUS' COLLEGE

AUTONOMOUS  
JABALPUR- 482001  
MADHYA PRADESH, INDIA

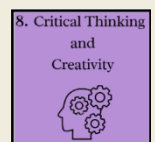
## CRITERION-3

### RESEARCH, INNOVATIONS AND EXTENSION

Key Indicator – 3.7  
Collaboration



Metric No.: 3.7.1  
Collaboration



Document Name  
Activities Under Collaboration  
2022-2023



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## Collaboration

### 3.7.1 List of Activities and Exchange provided in the Year

2022-2023

S.No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Beneficiaries	Duration	Nature of the activity
1	Distribution Procedure	Udaipur Beverage Richai Jabalpur	Aditi samadhiya	60 Hrs	Internship
2	Ice- Cream Manufacturing	Indian dairy,Sadar, jbp	Prabhav triphathi	60 Hrs	Internship
4	Ice- Cream Manufacturing	Indian dairy,Sadar, jbp	Thakur surya dev singh	60 Hrs	Internship
5	Internship	lamba ji namkeen	Nikita nonwar	60 Hrs	Internship
7	Internship	Geletin factory /LTD	Priyanshi dubey,	60 Hrs	Internship
8	Gelatine Incoming Raw Material Testing	Geletin factory /LTD	Khusnudha Ansari	60 Hrs	Internship
9	Isolation and identification of Salmonella species from chicken meat	Dept of Veterinary Microbiology College of Veterinary Science & Animal Husbandry N.D.V.S.U. JBP	Yamini Iyer	6 Months	Dissertation
10	Gelatine Incoming Raw Material Testing	Geletin Factory LTD	Nikita bhadoriya	60 Hrs	Internship
11	Internship	Zoological Survey of India Jabalpur Region	Bhumika Sharma	60 Hrs	Internship
12	Internship	Zoological Survey of India Jabalpur Region	Jigyasa Yadav	60 Hrs	Internship



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

13	Internship	Zoological Survey of India Jabalpur Region	Amit Kumar	60 Hrs	Internship
14	Internship	Zoological Survey of India Jabalpur Region	Aditi Bawariya	60 Hrs	Internship
15	Internship	Zoological Survey of India Jabalpur Region	Priyanka Yadav	60 Hrs	Internship
16	Internship	Zoological Survey of India Jabalpur Region	Tanu Goswami	60 Hrs	Internship
17	Internship	Zoological Survey of India Jabalpur Region	Vanshika Kushwaha	60 Hrs	Internship
18	Isolation and Molecular Characterization of <i>Staphylococcus aureus</i> from Milk Sample	Animal Biotechnology Centre, Nanaji Deshmukh Veterinary Science University, JNKVV JBP	Vaishnawi	6 months	Dissertation
19	Studies on <i>in-vitro</i> rooting and DNA Isolation in <i>Bambusa vulgaris</i> (van green)	ICFRE- Tropical Forest Research Centre, JBP	Shubhangi Dalai	6 months	Dissertation
20	Studies on <i>in-vitro</i> Culture establishment and rooting in <i>Bambusa balcooa</i>	ICFRE- Tropical Forest Research Centre, JBP	Pallavi Vishwakarma	6 months	Dissertation
21	Isolation and Molecular Characterization of <i>Streptococcus agalactise</i> from Milk Sample	Animal Biotechnology Centre, Nanaji Deshmukh Veterinary Science University, JNKVV JBP	Kanishka Uikey	6 months	Dissertation
22	To study the Oasi Gene Expression in Reproductive Tract of Pregnant and Non- Pregnant Goat	Animal Biotechnology Centre, Nanaji Deshmukh Veterinary Science University, JNKVV JBP	Divya Surya	6 months	Dissertation
23	Investigation of Antioxidant and Anti- cancer Properties of a Polyherbal Formulation	Bhabha Atomic Research Centre, Radiation Biology & Health Sciences Division	Dishita Bhatt	6 months	Dissertation
24	Exploring the antibacterial potency of 2- chloro- phneylalanine C-terminus tagged antimicrobial peptide	CSIR- Central Drug Research Institute	Aporva Shrivastava	6 months	Dissertation



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

25	Logic Operation- based controlled movement of microbots for toxic pesticide degradation	Indian Institute of Information Technology, Allahabad	Aaresha Tausheed	6 months	Dissertation
26	production of Ice Cream	Malti Ice Cream Industry	Vardha M. Edla	60 hrs	Internship
27	Screening Selection and Isolation of the Cynobacterial Strains Collected from the Biofilms of the Pisanhari ki Madiya- Historical Monument	Dept of Biological Science RDVV, JBP	Vanshika Thakur	6 Months	Dissertation
28	Analysis of Antimicrobial Susceptibility of Isolate from UTI (Urinary Tract Infection)	Jabalpur Hospital and Research Centre	Uday Patel	6 Months	Dissertation
29	Recombinant Protein Expression of Nucleocapsid of Japanese Encephalitis Virus in Prokaryotic Cell	Dept of Division of Virus Research and Therapeutics	Shreyashee Naveria	6 Months	Dissertation
30	Proliferation response of T cells in tumour bearing mice	BARC- Bhabha Atomic research Centre	Anjali Tripathi	6 months	Dissertation
31	Effect of Various Herbs on Oral Pathogens with Special Reference to <i>Enterococcus Faecalis</i>	Excellent Bio Research Solutions Pvt Ltd Jabalpur	Shruti Gumasta	6 Months	Dissertation
32	Incidence of Urinary Tract Infection caused by E-Coil in Hospital Patient	City Hospital & Research Centre Pvt Ltd Jabalpur	Shivani Saket	6 Months	Dissertation
33	GC-MS Analysis, Antimicrobial Activity of Phytoconstituents from different Medicinal Plants and their <i>In-Silico</i> docking studies Against Bacterial Protein FTsZ (2VXY)	Dept of Biological Science RDVV, JBP	Shivani Prajapati	6 Months	Dissertation
34	Deciphering the Antimicrobial Sensitivity and Resistance Profiles of WHO Priority	CSIR- Central Drug Research Institute	Pratiksha Tiwari	6 Months	Dissertation



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

	<i>Escherichia Coli and Klebsiella pneumoniae</i>				
35	Molecular Identification of <i>Wolbachia</i> infection in wild-caught <i>Anopheles</i> species of Madhya Pradesh India	ICMR- National Institute of Research in Tribal Health JBP	Ruchi Naidu	6 Months	Dissertation
36	Development of resistance against colistin and its impact in fitness in <i>Acinetobacter baumannii</i>	ICMR- National Institute of Research in Tribal Health JBP	Pujiita Rao	6 Months	Dissertation
37	Occurance of Rifampicin- Resistance Among the Patients Referred from Public Health Care Centre of Jabalpur Division	ICMR- National Institute of Research in Tribal Health JBP	Deepraj Shukla	6 Months	Dissertation
38	Isolations and Biochemical Characterization of <i>Escherichia coli</i> From Chicken Meat	Dept of Veterinary Microbiology College of Veterinary Science & Animal Husbandary N.D.V.S.U. JBP	Arti Tigga	6 Months	Dissertation
39	Microbial Production of hyaluronic acid by <i>Streptococcus zooepidemicus</i>	Indian Institute of Technology BHU, Varanasi	Anjali Tiwari	6 Months	Dissertation
40	Chemical Synthesis and Evaluation of Chitosan Mediated Silver NPs and its Potential of Antibacterial Activity	Bio-Design Innovation Centre RDVV JBP	Ayushi Upadhyay	6 Months	Dissertation
41	Isolatina and Characterization of Cement Degrading Bacteris from Industrial Soil and Screening of their Efficacy for Biocementation	AKS University Satna, M.P.	Bedika Singh	6 Months	Dissertation
42	Occurance of Pre-XDR among the MDR-TB pateints Referred from Health Care Centres of Jabalpur and Rewa Division	ICMR- National Institute of Research in Tribal Health JBP	Alok Ranjan Joshi	6 Months	Dissertation





# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

43	Screening, Selection, and Isolation of the Cynobacterial Strains collected from the Biofilms of the Madan Mahal Fort- Historical Monument	Dept of Biological Science RDVV, JBP	Aditi Dubey	6 Months	Dissertation
44	Cosmetics A Boon or Bane on Health	The Bhopal School of Social Sciences, Bhopal	Disha Bhagtani	2 days	International Conference on "Multidisciplinary Research Perspectives"
45	Hydrochemical Screening of the Plant Of ANNOVA <i>Reticulata</i>	Excellent Bio Research PVT Limited, Jabalpur	Josephine M.	2 months	Internship training in Chemistry
46	Quality Analysis of Oils and fats	Excellent BioResearch PVT Limited, Jabalpur	Arya Dubey	15 days	Internship training in Chemistry
47	Hybrid Teaching for Holy Cross College	Holy Cross College	Dr. Harbaksh Moolchandani	15 Feb-15 March 2023 (3Weeks online and 1 week offline mode)	Faculty and Student Exchange Programme
48	Webinar on Practical Implication of Taxation Policy	St. Paul Institute of Professional Studies (SPIPS), Indore	Dr. Dileep Koshta	19-11-2022 (Online Mode)	Faculty Exchange Programme
49	Certificate Programme in Banking, Finance and Insurance (CPBFI) for its students and alumni, HR Workshop	Bajaj FinServ	8 Teachers 50 Students		Certificate Course
50	Environmental celebration on 'No Gender Only Human'	Kadam institute	26 Students	2 Months	Environmental celebration
51	Hybrid Mode Lecture on Civil Society and Human Rights	Jesus and Mary College, New Delhi	150 Students	One Day	Guest Lecture
52	National Webinar "History and Recent Trends in Mathematics and National Mathematics Day Celebration	Patna Women's College, Bihar	6 Teachers 119 Students	One Day	Webinar



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

53	Global Understanding Program	East Carolina University	35 Students	6 Days	Exchange Programme
54	National Webinar on Introduction of Negotiable Instrument Ac, 1881	St. Paul Institute of Professional Studies Indore	40 Students	One Day	Webinar
55	Online Poster Competition	Sophia Girls' College Ajmer	119 Students	One Day	Poster Presentation
56	Visit to poultry Farm	Phoenix Poultry Farm	35 UG& PG Students	One Day	Educational Visit
57	Industrial Visit	Agadyati Herbs and Food Private Limited	21 Students and 5 Faculties	One Day	Educational Visit
58	Robust Internship for UG Students	Home Science College, JBP	58 Students	60 Hours	Internship
59	Industrial Visit	Narmada Gelatines, JBP	25 Students	One Day	Educational Visit
60	Workshop on Vegetative Propagation	JNKVV	38 Students	Two Days	Workshop
61	Workshop on Theatre	Samagam Rang Mahal Jabalpur	95 Students	3 Days	Workshop
62	Value added Course Taxation For beginners	CMA (Certified Management Accountant)	40 Students	1 Month	Value added Course
63	Workshop on Solving Business Case Studies	T.I.M.E.	100 Students	One Day	Workshop
64	Awareness about the government schemes	Hope Faith Youth (Samridhi Mitra)	52 Students	1 Month	Field Survey
65	Workshop on Instrumentation	Government M.H. College, OFK Government College, JBP	40 Students	2 Days	Workshop
66	Workshop on Analytical Techniques	Banaras Hindu University, Varanasi, IITDM	30 Teachers	7 Days	Workshop
67	National Webinar on "Cognizance of Intellectual Property	Patent and Design, Indian Patent Office, Mumbai	300 participants	One Day	National Webinar



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

	Rights for Aspiring Minds"				
68	Research paper Publication	Dept. of Information and Communication system, Sophia University, Japan	Dr. Siby Samuel	45 days	Research
69	Students Internship	S/Uniteck	4	60 hrs	Internship
70	Skill-Development Course	Ardent Knowledge Society	209	7 Days	Skill-Development Course
71	(Certification Course in Toward Better Communication: Having LSRW Skill in English	Digvijay singh College, CG	16	15 Days	Certificate Course
72	Toward Better Communication: Having LSRW Skill in English (Certification Course)	ISPELL	76 Students	15 Days	Certificate Course
72	Faculty- Student exchange Programme Certificate Course in Business Analytics	Holy Cross College (Auto) Tiruchirappalli	1 Faculty	4Days 1 Month	Exchange Program, Certificate Course





# ST. ALOYSIUS' COLLEGE

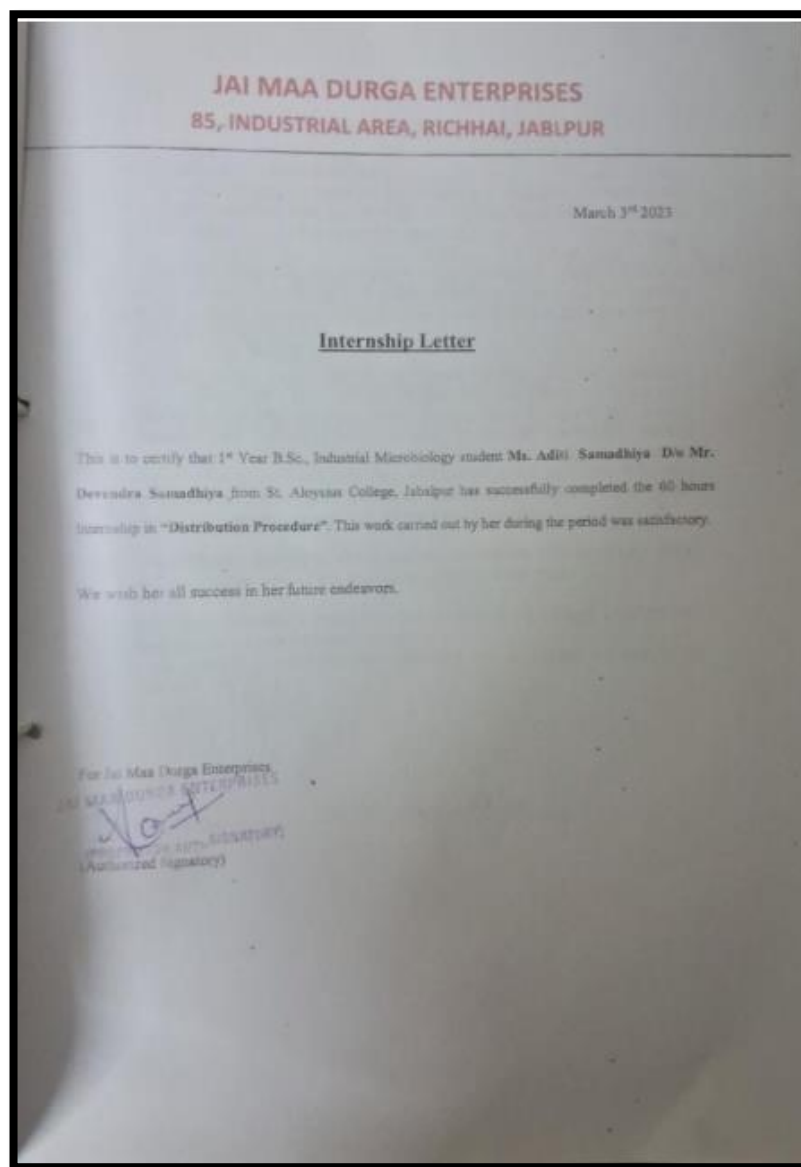
(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

**Ms. Aditi Samadhiya**





# ST. ALOYSIUS' COLLEGE

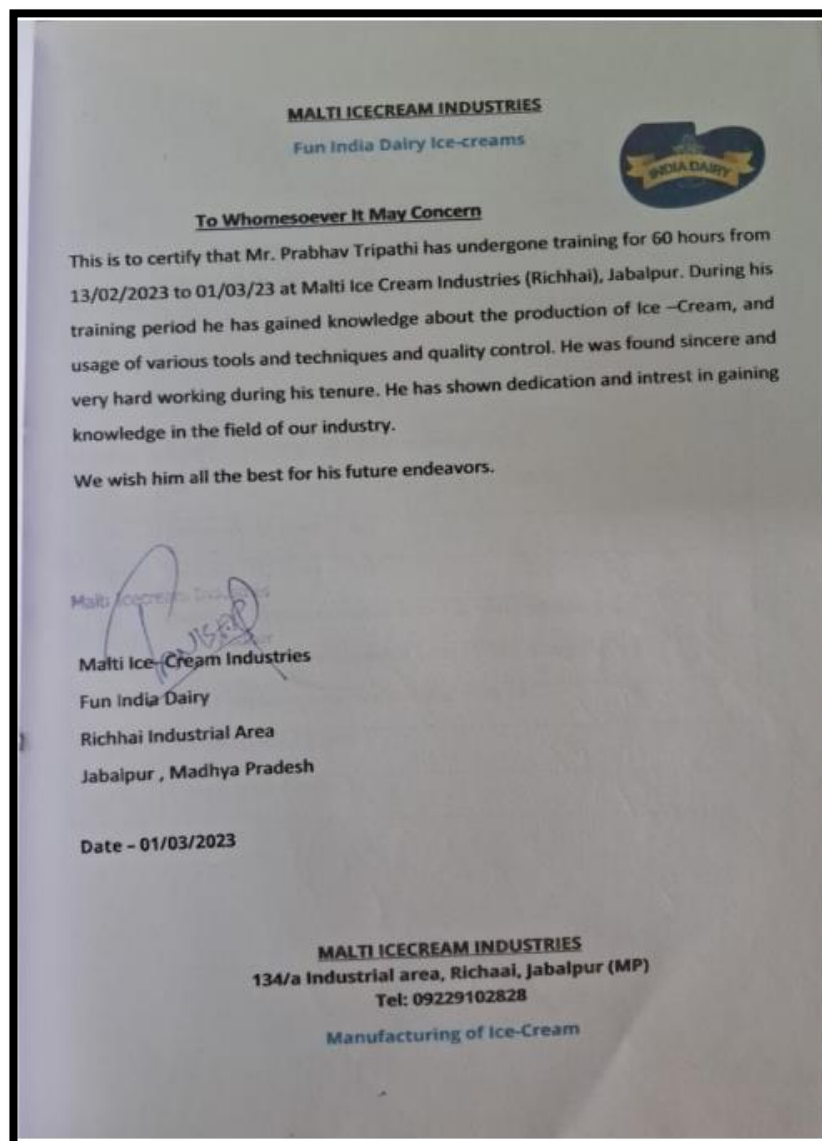
(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

**Mr. Prabhav Tripathi**





# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Ms. Nikita Nonwar





# ST. ALOYSIUS' COLLEGE

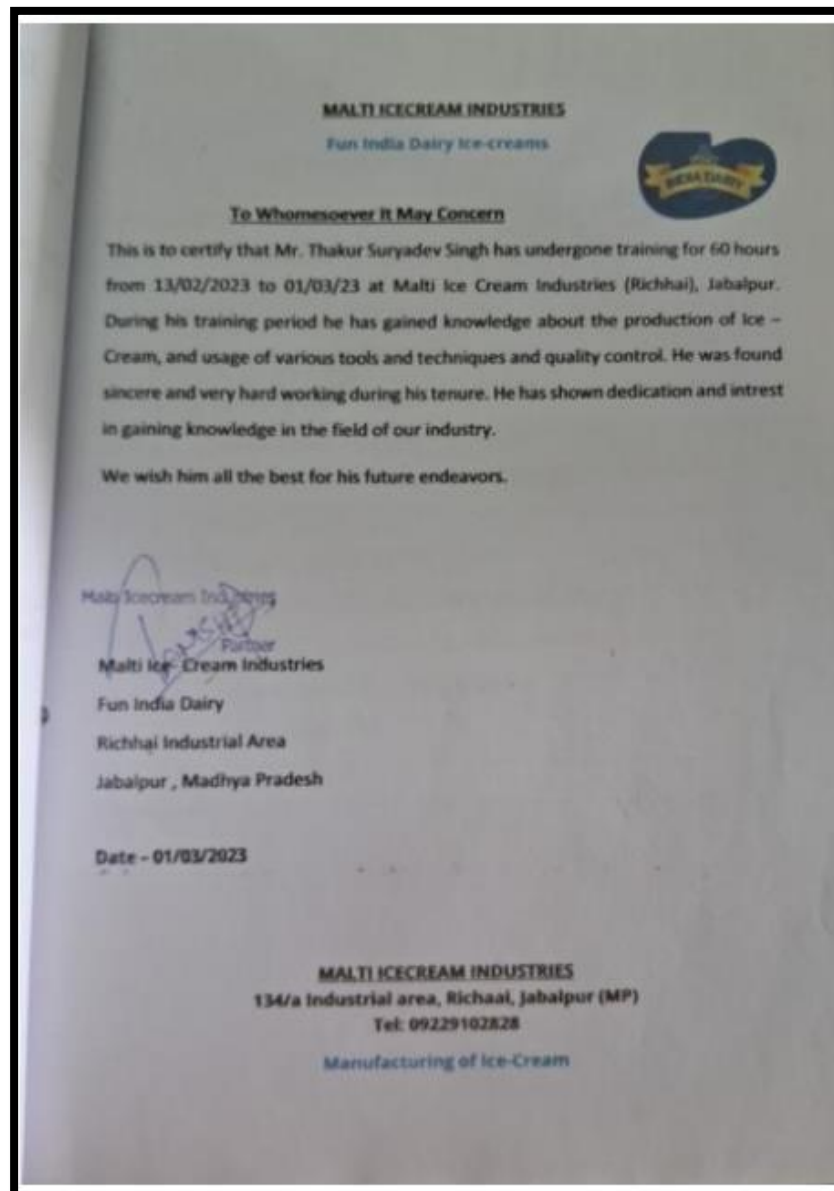
(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Mr. Thakur Suryadev Singh





# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

**Ms. Priyanshi Dubey**



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT



Ms. Khushnuda Ansari







# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.



DEPARTMENT OF VETERINARY MICROBIOLOGY  
COLLEGE OF VETERINARY SCIENCE & ANIMAL HUSBANDRY,  
N.D.V.S.U., JABALPUR (M.P.) - 482001



## Certificate - I

This is to certify that the dissertation work titled "Isolation and Identification of *Salmonella* species from chicken meat" was carried out by *Ms. Yamini Iyer*, student, MSc Microbiology, Department of Microbiology, St. Aloysius' College (Autonomous), Jabalpur, Madhya Pradesh under my supervision and guidance for the partial fulfillment of the requirement for awarding the degree of Master of Science in Microbiology.

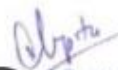
The dissertation work is the original work and the contents of this thesis has not been reported earlier anywhere.

Place: Jabalpur

Date: 21 06 23

  
Dr. Ajay Kumar Rai (Guide)

Assistant Professor



Co-Guide



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Ms. Nikita Bhadoria

  
**NARMADA GELATINES LIMITED**

NGL/Admin/23/3 Date: 27/03/2023

**WORK COMPLETION CERTIFICATE**

This is to certify that Nikita Bhadoria, of class BSc 2<sup>nd</sup> Year St Aloysius College Autonomous Successfully completed Internship dated 09.02.2023 to 25.02.2023 in "Gelatine Incoming Raw material testing" at Narmada Gelatines Ltd. She has done good work during her tenure in the organization. We wish her a bright future.

For: Narmada Gelatines Limited,

   
Devesh Ghosh  
(Asst. Manager - HR & Administration)

Post Box No. 91, Jabalpur-482 001 (M.P.) India Tel. : 263053, 2630517 & 2630518 Fax : 91-761-2630516  
Regd. Office : "CARAVS" Building, 15, Civil Lines, Jabalpur-482001 (M.P.)  
C. : 267627 Fax : 91-761-267884 E-mail : [enq@p@swacharnet.in](mailto:enq@p@swacharnet.in), [CSN](mailto:CSN) : 12411156919547914023



# ST. ALOYSIUS' COLLEGE


(AUTONOMOUS), JABALPUR(M.P.)


Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

St. Aloysius Senior Secondary School, JBP

 **ST. ALOYSIUS' COLLEGE**  
(AUTONOMOUS)  
1, Ahilya Bai Marg, Sadar, Cantt., Jabalpur - 482 001 (M.P.), India  
College with Potential for Excellence by UGC  
DST FIST SUPPORTED & Star College Scheme by DBT  
Phone: 0761-2620738, 2624631, Fax: 0761-2629655  
Email: principal@staloyuscollege.ac.in, staloyuscollege1951@gmail.com, Website: www.staloyuscollege.ac.in



Ref:SAC/Internship/B.Ed./Sem. III/2022/01 Date: 30/09/22

To,  
The Principal,  
St.Aloysius Senior Secondary School,  
Sadar, Jabalpur.

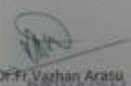
Sub: Permission for Internship


Respected Father,

We are approaching to find out the possibilities of sending our B.Ed. Students of third semester to your prestigious institution for internship to be held from 10 October 2022. Students will report you for five days in a week i.e. from Monday to Friday. I shall be highly obliged if you could allocate your school for internship.

Thanking You

Your's Sincerely

  
D.F. Varhan Arasu  
PRINCIPAL  
St. Aloysius College (Autonomous)  
Jabalpur-482001

  
  
Principal  
St. Aloysius Sr. Sec. School  
Jabalpur-482 001

Enclosure: List of students, and reports to be maintained.  
11/01/22

St. Thomas Senior Secondary School, JBP



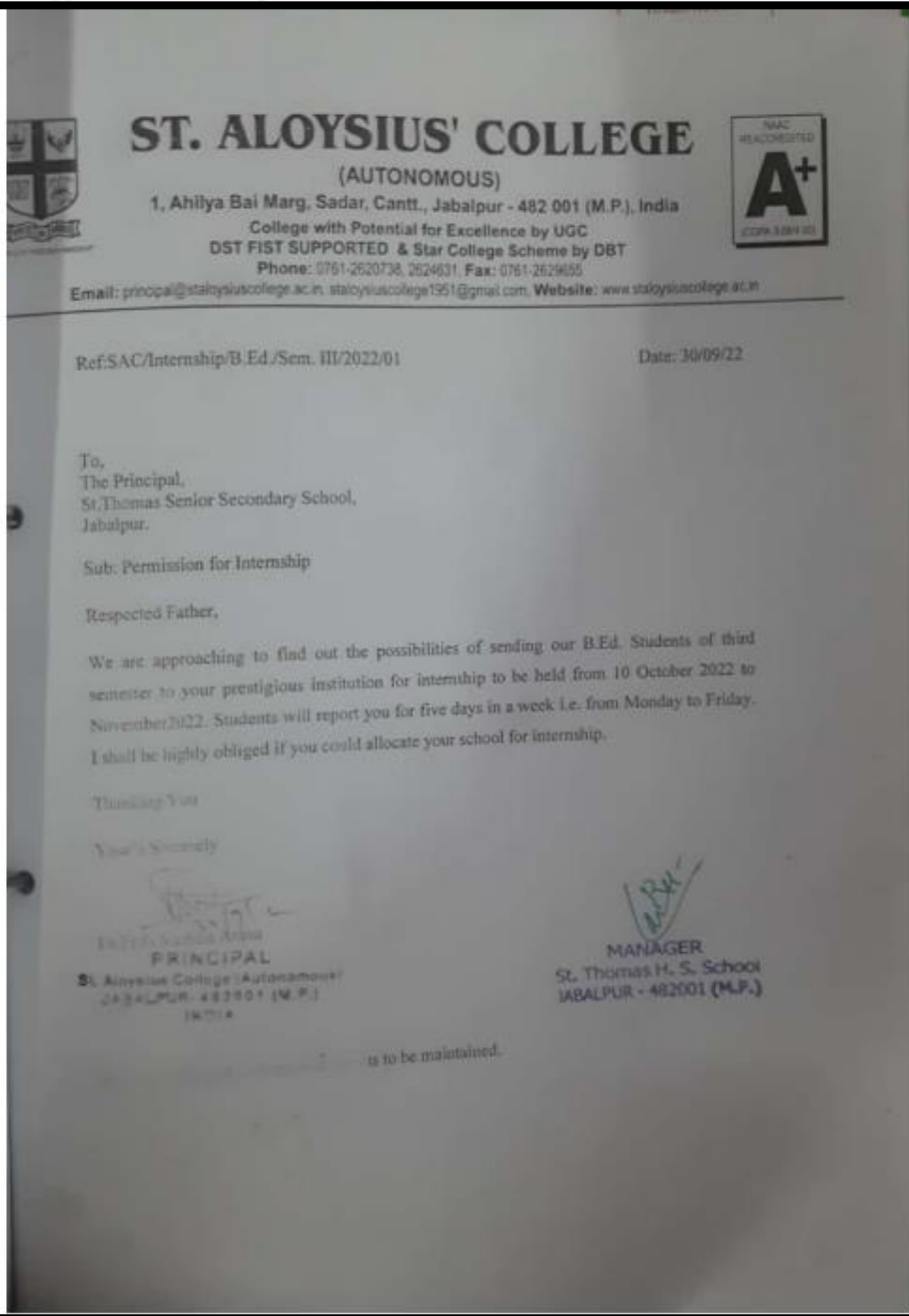
# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.





# ST. ALOYSIUS' COLLEGE


(AUTONOMOUS), JABALPUR(M.P.)


Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

St. Norbert Higher Secondary School, JBP

 **ST. ALOYSIUS' COLLEGE**  
(AUTONOMOUS)  
1, Ahilya Bai Marg, Sadar, Cantt., Jabalpur - 482 001 (M.P.), India  
College with Potential for Excellence by UGC  
DST FIST SUPPORTED & Star College Scheme by DBT  
Phone: 0761-2620738, 2624531, Fax: 0761-2629655  
Email: principal@staloyuscollege.ac.in, staloyuscollege1951@gmail.com, Website: www.staloyuscollege.ac.in



Ref:SAC/Internship/B.Ed./Sem. III/2022/01 Date: 30/09/22

To,  
The Principal,  
St. Norbert Higher Secondary School,  
Jabalpur.


Sub: Permission for Internship

Respected Sister,

We are approaching to find out the possibilities of sending our B.Ed. Students of third semester to your prestigious institution for internship to be held from 10 October 2022. Students will report you for five days in a week i.e. from Monday to Friday. I shall be highly obliged if you could allocate your school for internship.

Thanking You

Yours Sincerely

  
Dr. Fr. G. Vaidyanathan  
**PRINCIPAL**  
St. Aloysius College (Autonomous)  
JABALPUR- 482001 (M. P.)  
INDIA

*Permitted.*

*Principal*  
*01/10/22*

Enclosure :List of students and reports to be maintained.





# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Ms. Bhumika Sharma

प्रारंभ - G4  
Performa- G4

**Internship/ Apprenticeship Feedback Form**  
(प्रशिक्षण/ शिष्यता प्रतिपुष्टि प्रपत्र)

To be filled by the head of the institution / authorized officer / guide of the concerned  
संबंधित वास्तु संस्था (यदि कोई हो) के संस्था प्रमुख/अधिकृत अधिकारी/ मार्गदर्शक द्वारा भरा जाने

Name of trainee student (प्रशिक्षु विद्यार्थी का नाम): Bhumika Sharma

Name of College (महाविद्यालय का नाम): St. Aloysius College Jabalpur

Class (कक्षा): B.Sc. II year

Section & Roll No. (वर्ग तथा अनुक्रमांक): .....

S. No. क्र.सं.	Base of Evaluation मूल्यांकन का आधार	Given Grade प्रदत्त श्रेणी (A/B/C) #	Remark टिप्पणी
1.	Student's regular attendance विद्यार्थी की नियमित उपस्थिति	A	
2.	Theoretical knowledge acquired by the student विद्यार्थी द्वारा प्राप्त सैद्धांतिक ज्ञान		
3.	Skills and practical knowledge acquired by the student during the tenure कार्यावधि में विद्यार्थी द्वारा अर्जित कौशल, व्यवहारिक ज्ञान		
4.	Student's interest and seriousness towards the work, कार्य के प्रति विद्यार्थी की रुचि, गंभीरता		
5.	Student's attitude and behavior during the learning period कार्यावधि में विद्यार्थी का सीखने के प्रति रवैया एवं व्यवहार		
6.	Co-ordination with colleagues and other members and ability to work in teams सहकर्मियों व अन्य सदस्यों के साथ सामंजस्य, समूह में कार्य करने की क्षमता		
7.	Overall grade of the student विद्यार्थी की समग्र श्रेणी		

# Grade (श्रेणी) : A-> Excellent (उत्कृष्ट), B-> Good (अच्छा) C-> Normal (सामान्य)

Date (दिनांक): 31/3/23

Place (स्थान): .....

Name of Authorized Person (अधिकृत व्यक्ति के हस्ताक्षर)  
[Signature]

Name and Seal (नाम तथा मुहर) अधिष्ठात्री  
भारतीय प्रांतीय सर्वेक्षण  
संस्थान क्षेत्र प्रशासनिक सेवा  
District: Jabalpur, Madhya Pradesh



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Ms. Jigyasa Yadav

प्रारूप - G4

Performa- G4

## Internship/ Apprenticeship Feedback Form

(प्रशिक्षिता/ शिक्षिता प्रतिपुष्टि प्रपत्र)

To be filled by the head of the institution / authorized officer / guide of the concerned external organization (if any)

सम्बन्धित बाह्य संस्था (यदि कोई हो) के संस्था प्रमुख /अधिकृत अधिकारी /सामर्थ्यक द्वारा भरा जाना

Name of trainee student (प्रशिक्षु विद्यार्थी का नाम):

J. G. YADAV YADAV

Name of College (महाविद्यालय का नाम):

ST. ALOYSIUS' AUTONOMOUS COLLEGE JABALPUR

Class (कक्षा): B.Sc 2<sup>nd</sup> YEAR

Section & Roll No. (वर्ग तथा अनुक्रमिक): 2211659

S.No म. क्र.	Base of Evaluation मूल्यांकन का आधार	Given Grade प्रदत्त श्रेणी (A/B/C) #	Remark टिप्पणी
1.	Student's regular attendance विद्यार्थी की नियमित उपस्थिति	A	
2.	Theoretical knowledge acquired by the student विद्यार्थी द्वारा प्राप्त वैज्ञानिक ज्ञान		
3.	Skills and practical knowledge acquired by the student during the tenure कार्यावधि में विद्यार्थी द्वारा अर्जित कौशल, अवहारिक ज्ञान		
4.	Student's interest and seriousness towards the work. कार्य के प्रति विद्यार्थी की रुचि, गंभीरता		
5.	Student's attitude and behavior during the learning period कार्यावधि में विद्यार्थी का सीखने के प्रति रवैया एवं व्यवहार		
6.	Co-ordination with colleagues and other members and ability to work in teams सहकर्मियों व अन्य सदस्यों के साथ सामंजस्य, समूह में कार्य करने की क्षमता		
7.	Overall grade of the student विद्यार्थी की समग्र श्रेणी		

# Grade (श्रेणी): A-> Excellent (उत्कृष्ट), B-> Good (अच्छा) C-> Normal (सामान्य)

Date (दिनांक): 31-3-23

Place (स्थान): Jabalpur

Name of Authorized Person (अधिकृत व्यक्ति के नाम):

प्रशिक्षु अधिकारी  
जिगसा यदव  
नामिका प्रशिक्षण  
संस्थान, जयपुर-482002



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Amit Kumari

प्रारूप - GA  
Performa - GA

**Internship/ Apprenticeship Feedback Form**  
(प्रशिक्षुता/ शि्षुता प्रतिपुष्टि प्रपत्र)

To be filled by the head of the institution / authorized officer / guide of the concerned external organization (if any)  
सम्बंधित बाह्य संस्था (यदि कोई हो) के संस्था प्रमुख /अधिकृत अधिकारी /गार्गदशंक द्वारा भरा जाने

Name of trainee student (प्रशिक्षु विद्यार्थी का नाम):  
..... श्रीमती...Kumari.....

Name of College (महाविद्यालय का नाम):  
.....St. Aloysius College Jabalpur.....

Class (कक्षा) : .....B.Sc. and year.....

Section & Roll No. (बर्ग तथा अनुक्रमांक): .....

S.No न. सं.	Base of Evaluation मूल्यांकन का आधार	Given Grade प्रदत्त श्रेणी (A/B/C) #	Remark टिप्पणी
1.	Student's regular attendance विद्यार्थी की नियमित उपस्थिति	A	
2.	Theoretical knowledge acquired by the student विद्यार्थी द्वारा प्राप्त सैद्धान्तिक ज्ञान		
3.	Skills and practical knowledge acquired by the student during the tenure कार्यावधि में विद्यार्थी द्वारा अर्जित कौशल, व्यवहारिक ज्ञान		
4.	Student's interest and seriousness towards the work. कार्य के प्रति विद्यार्थी की रुचि, गंभीरता		
5.	Student's attitude and behavior during the learning period कार्यावधि में विद्यार्थी का सीखने के प्रति रवैया एवं व्यवहार		
6.	Co-ordination with colleagues and other members and ability to work in teams सहकर्मियों व अन्य सदस्यों के साथ सामंजस्य, समूह में कार्य करने की क्षमता		
7.	Overall grade of the student विद्यार्थी की समग्र श्रेणी		

# Grade (श्रेणी) : A-> Excellent (उत्कृष्ट), B-> Good (अच्छा) C-> Normal (सामान्य)

Date (दिनांक): .....31.3.23.....

Place (स्थान): .....Jabalpur.....

Name of Authorized Person (अधिकृत व्यक्ति के हस्ताक्षर)  
.....  
प्रभारी अधिकारी

Name and Seal (नाम सहित मुद्रा)  
.....  
मध्य श्रेय प्रादेशिक केंद्र  
विजय नगर, जबलपुर-482002



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Aditi Bawaria

प्रारंभ - G4  
Performa- G4

**Internship/ Apprenticeship Feedback Form**  
(प्रशिक्षुता/ शिस्तुता प्रतिपुष्टि प्रपत्र)

To be filled by the head of the institution / authorized officer / guide of the concerned external organization (if any)  
सम्बन्धित बाह्य संस्था (यदि कोई हो) के संस्था प्रमुख /अधिकृत अधिकारी /आयोजक द्वारा भरा जाये

Name of trainee student (प्रशिक्षु विद्यार्थी का नाम):  
.....Aditi Bawaria.....

Name of College (महाविद्यालय का नाम):  
.....St. Aloysius' College.....

Class (कक्षा) : .....

Section & Roll No. (वर्ग तथा अनुक्रमिक): .....

S.No स. क्र.	Base of Evaluation मूल्यांकन का आधार	Given Grade प्रदत्त श्रेणी (A/B/C) #	Remark टिप्पणी
1.	Student's regular attendance विद्यार्थी की नियमित उपस्थिति		
2.	Theoretical knowledge acquired by the student विद्यार्थी द्वारा प्राप्त सैद्धान्तिक ज्ञान		
3.	Skills and practical knowledge acquired by the student during the tenure कार्यकाल में विद्यार्थी द्वारा अर्जित कौशल, व्यवहारिक ज्ञान		
4.	Student's interest and seriousness towards the work, कार्य के प्रति विद्यार्थी की रुचि, गंभीरता	A	
5.	Student's attitude and behavior during the learning period कार्यकाल में विद्यार्थी का सीधने के प्रति रवैया एवं व्यवहार		
6.	Co-ordination with colleagues and other members and ability to work in teams सहकर्मियों व अन्य सदस्यों के साथ सामंजस्य, समूह में कार्य करने की क्षमता		
7.	Overall grade of the student विद्यार्थी की समग्र श्रेणी		

# Grade (श्रेणी) : A-> Excellent (उत्कृष्ट), B-> Good (अच्छा) C-> Normal (सामान्य)

Date (दिनांक): ..31.03.23.....  
Place (स्थान) : ..Jabalpur.....

Name of Authorized Person (अधिकृत व्यक्ति के हस्ताक्षर)  
[Signature]  
31.3.23  
प्रभारी अधिकारी  
भारतीय प्रति संवेक्षण  
मध्य क्षेत्र प्रतिष्ठान बोर्ड  
विश्व मार्ग, नरसिंहपुर-482002

Name and Seal (नाम तथा सील)





# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Ms. Priyanka Yadav

धारा - G4  
Performa- G4

**Internship/ Apprenticeship Feedback Form**  
(प्रशिक्षुता/ शिक्षुता प्रतिपुष्टि प्रपत्र)

To be filled by the head of the institution / authorized officer / guide of the concerned external organization (if any)  
सम्बंधित बाह्य संस्था (यदि कोई हो) के संस्था प्रमुख /अधिकृत अधिकारी /गार्गरर्गक द्वारा भरा जावे

Name of trainee student (प्रशिक्षु विद्यार्थी का नाम):  
Priyanka Yadav

Name of College (महाविद्यालय का नाम):  
ST. Aloysius College (Autonomous) Jabalpur.

Class (कक्षा) :  
B.Sc. 2<sup>nd</sup> year

Section & Roll No. (वर्ग तथा अनुक्रमांक):  
(C.B.Z)

क्र. सं.	Base of Evaluation मूल्यांकन का आधार	Given Grade प्रदत्त ग्रेड (A/B/C) #	Remark टिप्पणी
	Student's regular attendance विद्यार्थी की नियमित उपस्थिति	A	A Grade
	Theoretical knowledge acquired by the student विद्यार्थी द्वारा प्राप्त सैद्धान्तिक ज्ञान	A	
	Skills and practical knowledge acquired by the student during the tenure कार्यावधि में विद्यार्थी द्वारा अर्जित कौशल, व्यवहारिक ज्ञान	A	
	Student's interest and seriousness towards the work, कार्य के प्रति विद्यार्थी की रुचि, गंभीरता	A	
	Student's attitude and behavior during the learning period कार्यावधि में विद्यार्थी का सीखने के प्रति रवैया एवं व्यवहार	A	
	Co-ordination with colleagues and other members and ability to work in teams सहकर्मियों व अन्य सदस्यों के साथ सामंजस्य, समूह में कार्य करने की क्षमता	A	
	Overall grade of the student विद्यार्थी की समग्र ग्रेड	A	

# Grade (ग्रेड) : A-> Excellent (उत्कृष्ट), B-> Good (अच्छा) C-> Normal (सामान्य)

Date (दिनांक): 31/3/23  
Place (स्थान): Jabalpur

Name of Authorized Person (अधिकृत व्यक्ति के हस्ताक्षर)  
Name and Seal (नाम तथा सील)



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Ms. Tanu Goswani

घास्य - G4  
Performa- G4

**Internship/ Apprenticeship Feedback Form**  
(प्रशिक्षुता/ शिष्यता प्रतिपुष्टि प्रपत्र)

To be filled by the head of the institution / authorized officer / guide of the concerned external organization (if any)  
सम्बंधित वास्तविक संस्था (यदि कोई हो) के संचालक प्रमुख / अधिकृत अधिकारी / मार्गदर्शक द्वारा भरा जाना

Name of trainee student (प्रशिक्षु शिष्याधी का नाम):  
Tanu Goswani

Name of College (महाविद्यालय का नाम):  
St. Aloysius College autonomous Jabalpur

Class (कक्षा): B.S.C 2nd year

Section & Roll No. (यदि क्या अनुक्रमिक): 2211654

S.No सं. क्र.	Base of Evaluation मूल्यांकन का आधार	Given Grade दत्त ग्रेड (A/B/C) #	Remark टिप्पणी
1.	Student's regular attendance शिष्याधी की नियमित उपस्थिति	A	
2.	Theoretical knowledge acquired by the student शिष्याधी द्वारा प्राप्त सैद्धांतिक ज्ञान		
3.	Skills and practical knowledge acquired by the student during the tenure कार्यकाल में शिष्याधी द्वारा अर्जित व्यावहारिक ज्ञान		
4.	Student's interest and seriousness towards the work, कार्य के प्रति शिष्याधी की रुचि, गंभीरता		
5.	Student's attitude and behavior during the learning period कार्यकाल में शिष्याधी का रविवृत्ति के प्रति स्वभाव एवं व्यवहार		
6.	Co-ordination with colleagues and other members and ability to work in teams सहकर्मियों व अन्य सदस्यों के साथ सामंजस्य, समूह में कार्य करने की क्षमता		
7.	Overall grade of the student शिष्याधी की समग्र ग्रेड		

# Grade (ग्रेड) : A-> Excellent (उत्कृष्ट), B-> Good (अच्छा) C-> Normal (साधारण)

Date (दिनांक): 31-03-23  
Place (स्थान): Jabalpur

Name of Authorized Person (अधिकृत व्यक्ति का नाम):  
Name and Seal (नाम तथा मील):





# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Ms. Vanshika Kushwaha

फॉर्म - G4  
Performa- G4

**Internship/ Apprenticeship Feedback Form**  
(प्रशिक्षण/ शिक्षण प्रतिपुष्टि प्रपत्र)

To be filled by the head of the institution / authorized officer / guide of the concerned external organization (if any)  
गन्वधित वरगु गंरुध (यदि कुई हु) के गंरुध प्रभु/अधिकृत अधिकारी/गुइड के कुंरुड एरनरल ऑरगनइजेशन (इफ अनं)

Name of trainee student (प्रशिक्षु विद्यार्थी का नाम):  
.....Vanshika Kushwaha.....

Name of College (महाविद्यालय का नाम):  
.....St. Aloysius college autonomous Jabalpur.....

Class (कक्षा) : .....B.Sc. 2nd year.....

Section & Roll No. (वर्ग तथा अनुक्रमांक): .....

S.No स. नं.	Base of Evaluation मूल्यांकन का आधार	Given Grade प्रदत्त श्रेणी (A/B/C) #	Remark टिप्पणी
1.	Student's regular attendance विद्यार्थी की नियमित उपस्थिति		
2.	Theoretical knowledge acquired by the student विद्यार्थी द्वारा प्राप्त वैद्युतिक ज्ञान		
3.	Skills and practical knowledge acquired by the student during the tenure कार्यकाल में विद्यार्थी द्वारा अर्जित प्रैक्टिकल, अवैद्युतिक ज्ञान	A	
4.	Student's interest and seriousness towards the work, कार्य के प्रति विद्यार्थी की रुचि, प्रयत्न		
5.	Student's attitude and behavior during the learning period कार्यकाल में विद्यार्थी का सोच, व्यवहार एवं व्यवहार		
6.	Co-ordination with colleagues and other members and ability to work in teams सहकर्मियों व अन्य सदस्यों के साथ सामंजस्य, समूह में कार्य करने की क्षमता		
7.	Overall grade of the student विद्यार्थी की समग्र श्रेणी		

# Grade (श्रेणी) : A-> Excellent (उत्कृष्ट), B-> Good (अच्छा) C-> Normal (सामान्य)

Date (दिनांक): 21.03.23.....

Place (स्थान) : Jabalpur.....

Name of Authorized Person (अधिकृत व्यक्ति के नाम):  
.....  
प्रभारी अधिकारी  
भारतीय प्रौद्योगिकी  
संस्थान, Jabalpur

Name and Seal (नाम तथा सील)  
.....



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Vaishnawi





# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Ms. Shubhangi Dalai





# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Ms. Pallavi Vishwakarma







# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Ms. Kanishka Uikey



## ANIMAL BIOTECHNOLOGY CENTRE

NANAJI DESHMUKH VETERINARY SCIENCE UNIVERSITY,

JNKVV Campus, Krishi Nagar, Adhartal,

JABALPUR (M.P.), India - 482004

Dr. Sanjay Shukla

M.V.Sc., Ph.D.

Assistant Professor

Email : shukla.sanjay1@gmail.com

Mob. No. : 98268 38524

This is to certify that the work contained in the thesis entitled "**Isolation and Molecular Characterization of *Streptococcus agalactiae* from Milk Sample**", submitted by **Kanishka uikey** for the award of the degree of Masters of Science in Biotechnology to the St. Aloysius' College (Autonomous), Jabalpur is a record of bonafide research works carried out by her under my direct supervision and guidance at Animal Biotechnology Centre, NDVSU, Jabalpur.

The contents embodied in the thesis have not been submitted for the award of any other degree or diploma in this or any other university.

Date: 22/06/2023

Place: Jabalpur

Dr. Sanjay Shukla

Assistant Professor

Animal Biotechnology Centre

(NDVSU) Jabalpur

Assistant Professor/Scientist  
Animal Biotechnology Centre  
N.D.V.S.U., Jabalpur





# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Ms. Divya Surya

## ANIMAL BIOTECHNOLOGY CENTRE

NANAJ DESHMUKH VETERINARY SCIENCE UNIVERSITY

(NDVSV)

JNKVV Campus, Adhartal, JABALPUR - 482 004

## CERTIFICATE

### In the official letter head of the Institute

This is to certify that the work contained in the thesis entitled "TO STUDY THE OASI GENE EXPRESSION IN REPRODUCTIVE TRACT OF PREGNANT AND NON-PREGNANT GOAT", submitted by Divya Surya for the award of the degree of Masters of Science in Biotechnology to the St. Aloysius' College (Autonomous), Jabalpur is a record of bonafide research works carried out by her under my direct supervision and guidance.

I considered that the thesis has reached the standards and fulfilling the requirements of the rules and regulations relating to the nature of the degree. The contents embodied in the thesis have not been submitted for the award of any other degree or diploma in this or any other university.

Date: 22/06/23

Place: Jabalpur

DR. TRIPTI JAIN

ASSISTANT PROFESSOR

Assistant Professor/ Scientist  
Animal Biotechnology Centre  
N.D.V.S.U., Jabalpur







# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

MS. Apoorva Shrivastava



Ms. Vardha M. Edla



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## MULTI ICECREAM INDUSTRIES

Fun India Dairy Ice-creams



### To Whomesoever It May Concern

This is to certify that Ms. Vardha M. Edla has undergone training for 60 hours from 13/02/2023 to 01/03/23 at Malti Ice Cream Industries (Richhai), Jabalpur. During his training period he has gained knowledge about the production of Ice -Cream, and usage of various tools and techniques and quality control. He was found sincere and very hard working during his tenure. He has shown dedication and intrest in gaining knowledge in the field of our industry.

We wish him all the best for his future endeavors.

Malti Icecream Industries

Malti Ice-Cream Industries

Fun India Dairy

Richhai Industrial Area

Jabalpur , Madhya Pradesh

Date - 01/03/2023

## MULTI ICECREAM INDUSTRIES

134/a Industrial area, Richhai, Jabalpur (MP)

Tel: 09229102828

Manufacturing of Ice-Cream



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Ms. Aresha Tausheed



भारतीय सूचना प्रौद्योगिकी संस्थान, इलाहाबाद  
Indian Institute of Information Technology, Allahabad

An Institute of National Importance by Act of Parliament

Deoghat, Jhalwa, Allahabad-211012 (U.P.) INDIA

Ph.: 0532-2922025, 2922067, Fax: 0532-2430006, Web: www.iita.ac.in, E-mail: contact@iita.ac.in

This is to certify that the work contained in the thesis entitled "Logic operation-based controlled movement of microbots for toxic pesticide degradation", submitted by **Aresha Tausheed** for the award of the degree of Masters of Science in Biotechnology to the St. Aloysius' College (Autonomous), Jabalpur is a record of an original research work carried out by her under my direct supervision and guidance at Dept. of Applied Sciences, IIT Allahabad.

I considered that the thesis has reached the standards and fulfilled the requirements of the rules and regulations relating to the nature of the degree. The contents embodied in the thesis have not been submitted for the award of any other degree or diploma in this or any other university. Moreover, it was communicated for publication in a reputed international journal.

Date: 19/06/2023

Place: IIT Allahabad

Signature of the Supervisor

Dr. Anand Kumar Subudh  
Assistant Prof. (Senior)  
Department of Applied Sciences  
IIT Allahabad





# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Ms. Vanshika Thakur

**PROF. SURENDRA SINGH**  
M.Sc., Ph.D (BHU) F.B.S., F.N.R.S.  
Commonwealth Post Doctoral Fellow (UK)  
Visiting Scientist (Israel & P.R. China)  
Director, University Institute of Vocational Studies &  
Skill Development Center  
Director, Distance Education,  
Director Principal U.G.C. Community College,  
Coordinator Career Guidance, Counselling  
Training and Placement Cell,  
Chairman Board of Studies in Botany  
Ex-Dean Students Welfare & Foreign Students Affairs,  
Ex-Director (IC) University Institute of Management & Commerce


Phone: (0) 9761 760701  
Fax: (0) 9761 2617652  
Mobile No: +91 9175259339  
Email: singh@surendra@jabalpur.ac.in  
Department of Botanical Sciences  
Hari Durgavati University, Jabalpur  
482001(M.P.) India

Ref No: \_\_\_\_\_ Date: \_\_\_\_\_

**CERTIFICATE**

This is to certify that the Dissertation entitled "**Screening, Selection and Isolation of the Cynobacterial Strains Collected from the Biofilms of the Pisanhari ki Madiya- Historical Monument**" has been submitted by **MS. Vanshika Thakur**, a student of M. Sc. Microbiology, St. Aloysius College, Jabalpur for the academic year 2023. She has duly completed this dissertation under my supervision and guidance. This dissertation is being submitted for partial fulfillment for the Degree of "**Master of Science**" in Microbiology at the **Department of Botany And Microbiology St. Aloysius College, Jabalpur, (M.P).**

Date: \_\_\_\_\_  
Place: \_\_\_\_\_

  
**Prof. Dr. Surendra Singh**  
(Supervisor)





# ST. ALOYSIUS' COLLEGE

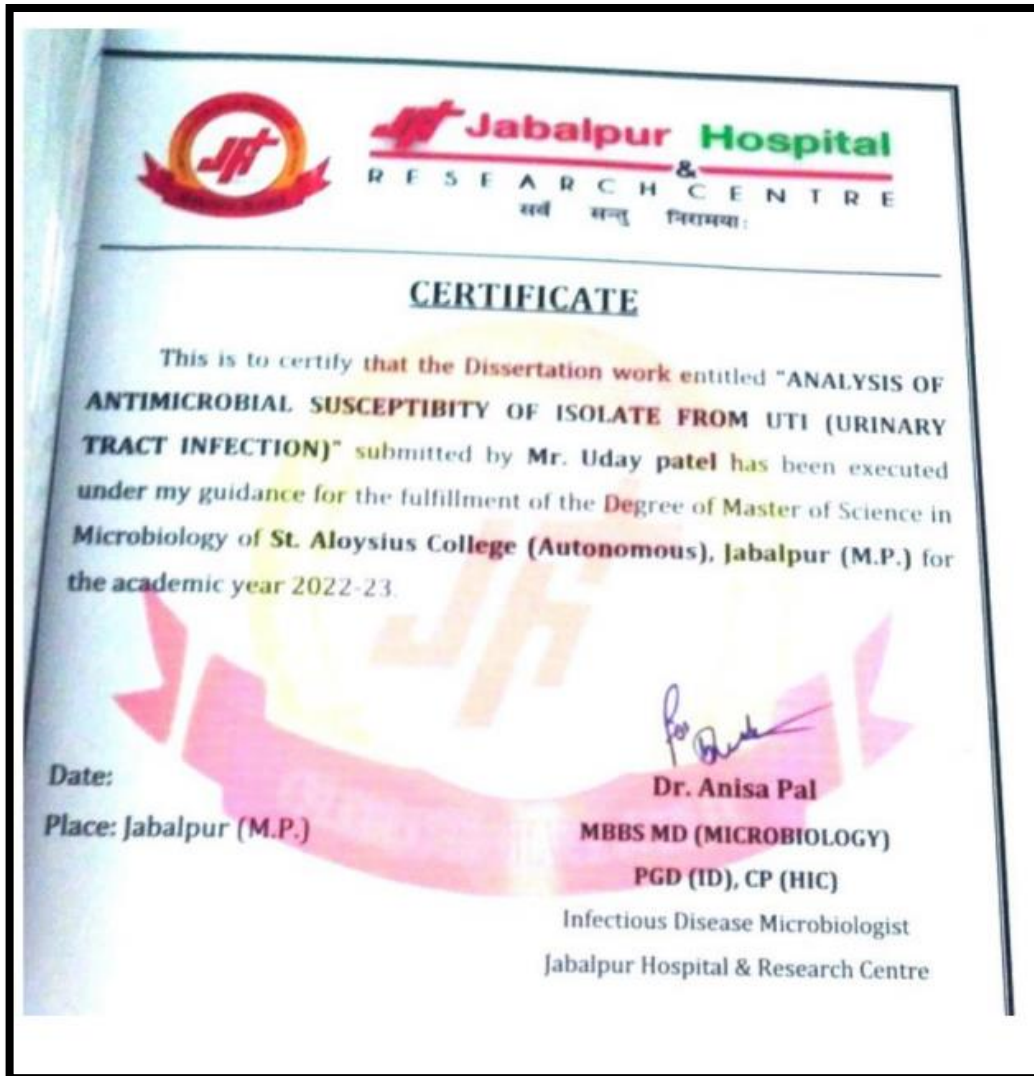
(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Mr. Uday Patel





# ST. ALOYSIUS' COLLEGE

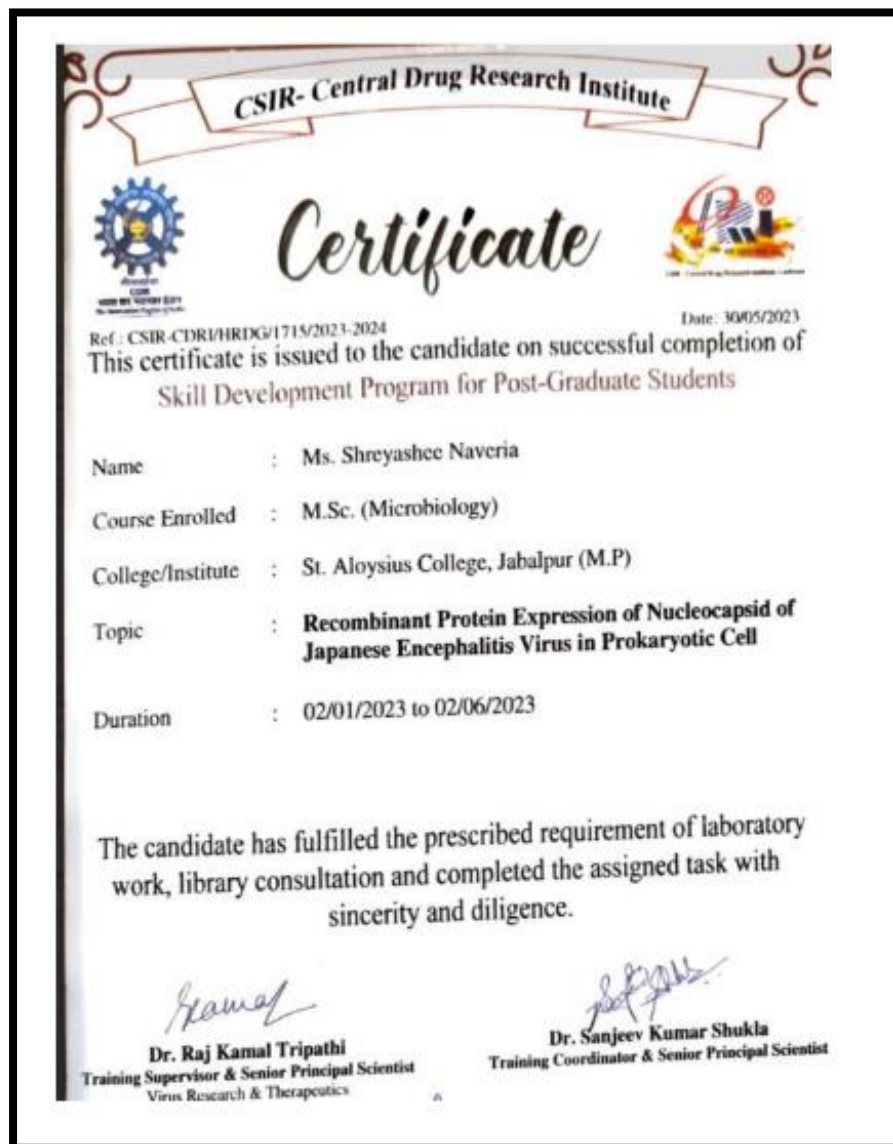
(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

MS. Shreyashee Naveria







# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Ms. Anjali Tripathi



Ref: RB&HSD/2023/856

Date: 16.06.23

## CERTIFICATE

This is to certify that the work contained in the thesis entitled "**Proliferation response of T cells in tumour bearing mice**", submitted by **Anjali Tripathi** for the award of the degree of Masters of Science in Biotechnology to the St. Aloysius' College (Autonomous), Jabalpur is a record of bonafide research work carried out by her under my direct supervision and guidance.

I considered that the thesis has reached the standards and fulfilling the requirements of the rules and regulations relating to the nature of the degree. The contents embodied in the thesis have not been submitted for the award of any other degree or diploma in this or any other university.

This work was conceived and executed in BARC. No part of the data included in her thesis would be published in any form without the prior permission of Head, RB&HSD, BARC.

*Bhavani Shankar*  
16/06/2023

Project supervisor

Dr. (Mrs.) Bhavani Shankar

Head, Immunology section,

RB&HSD, BARC.



Immunology Section,  
Radiation Biology and Health Sciences Division,  
Bhabha Atomic Research Centre, Trombay,  
Mumbai – 400085, INDIA  
E mail: bshankar@barc.gov.in  
Phone: 91-22- Page 1 / 1



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Ms. Shruti Gumasta





# ST. ALOYSIUS' COLLEGE

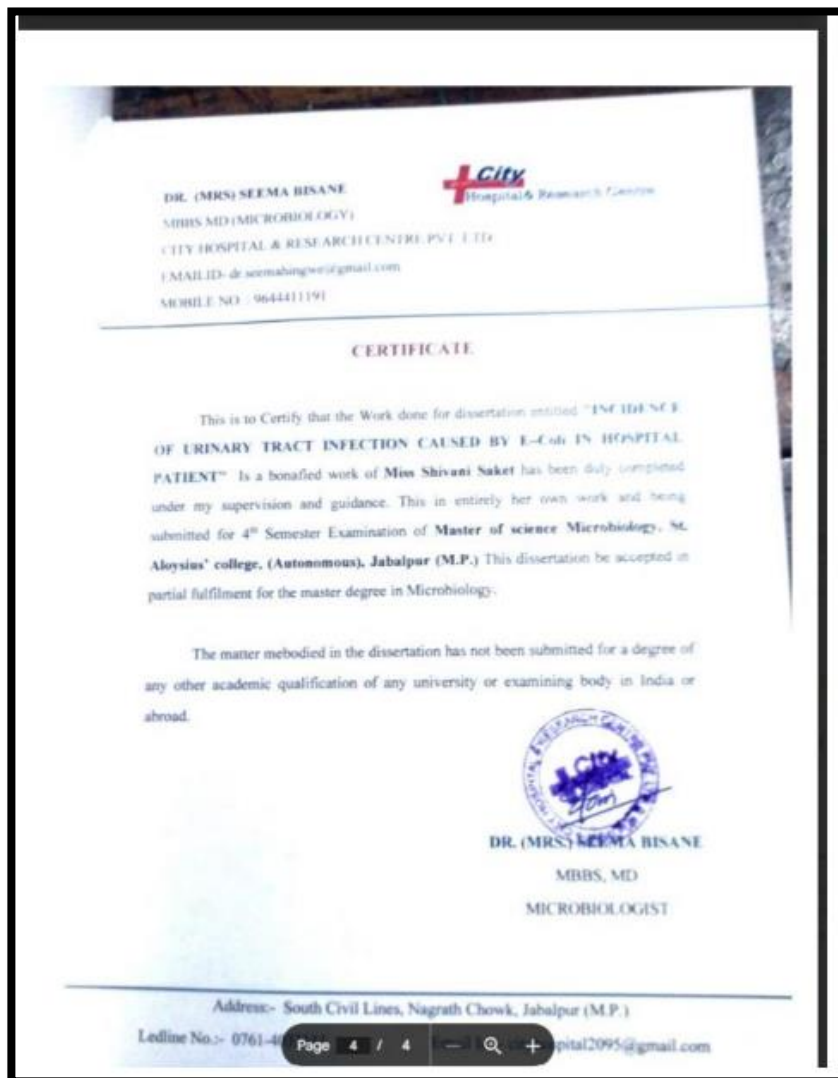
(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Ms. Shivani Saket





# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Ms. Shivani Prajapati

 <b>Sectional President</b> Environmental Sciences, 110 <sup>th</sup> Session 2023-24, Indian Science Congress Association, Calcutta, India	<b>Prof. Sardul Singh Sandhu</b> M.Sc., M.Phil., M.D., Ph.D., B.S., B.T.E.  PDF: Member University Australia, New Zealand, Singapore, Brazil, University of Virginia, Brazil  Fellowships to visit abroad: U.S.A., U.K., France, U.S.A., N.P.S. (Brazil), DBT, Government of U.P., New Delhi for visiting Australia	 <b>Director</b> Design Innovation Centre, M.C.E., Former Executive Council Member, Former Dean, Faculty of Life Science, R.D. University, Jabalpur, M.P.
Department of Biological Sciences, Rani Durgavati University, Jabalpur-482001 (M.P.) India		
<b>CERTIFICATE</b>		
<p>This is to certify that the work entitled "GC-MS Analysis, Antimicrobial Activity of Phytoconstituents from different medicinal plants and their <i>In-Silico</i> docking Studies Against Bacterial Protein FTsZ (2VXY)" is a dissertation work carried out by <b>Ms. Shivani Prajapati</b> as a dissertee of Master of Science, (4<sup>th</sup> sem.) in Microbiology and she has been duly completed her work under my guidance and supervision. She has been done her work sincerely.</p>		
 Signature of the Supervisor		
Date: 21/06/23		
Place: Jabalpur		
		



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Ms. Pratiksha Tiwari







# ST. ALOYSIUS' COLLEGE

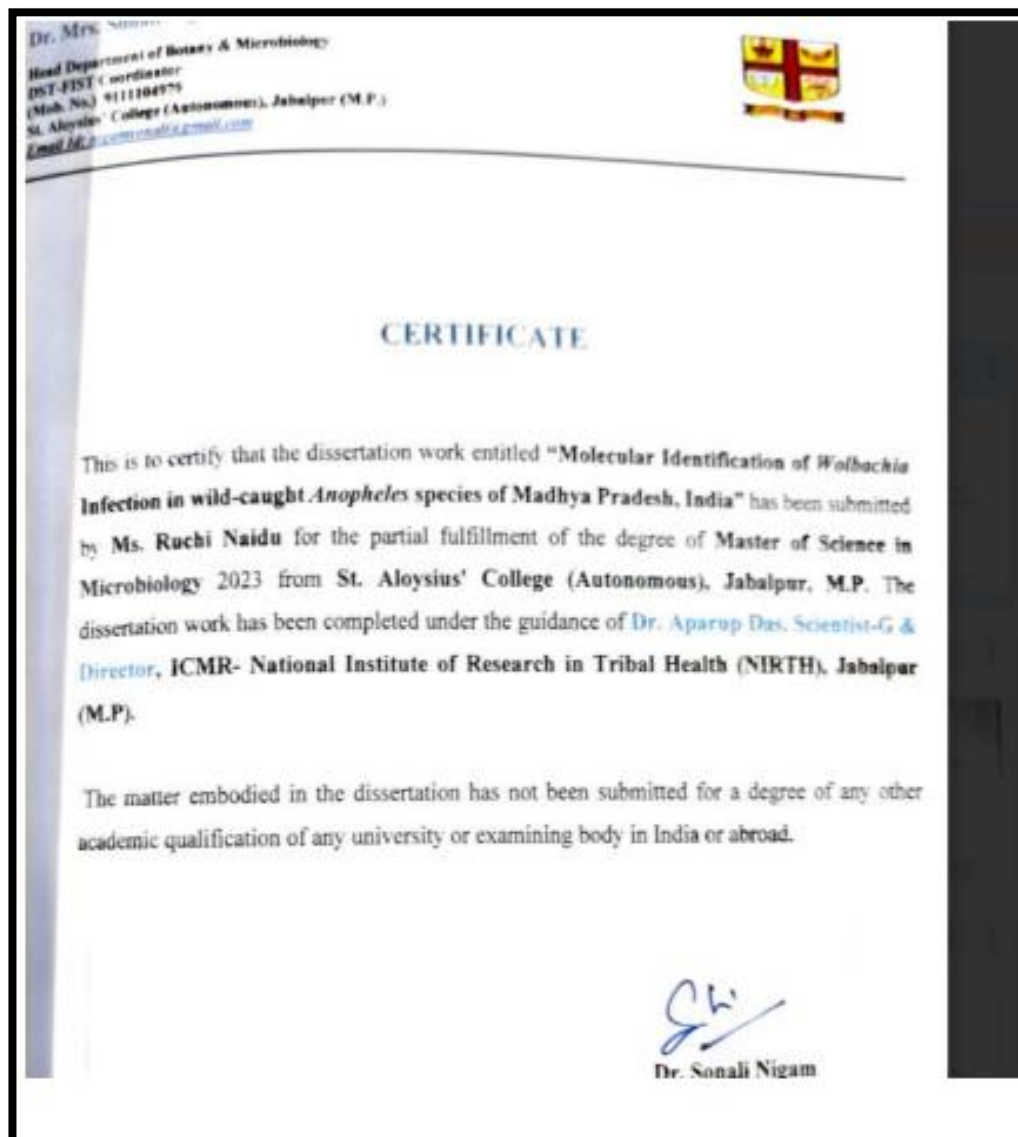
(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Ms. Ruchi Naidu





# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Ms. Pujeta Rao







# ST. ALOYSIUS' COLLEGE

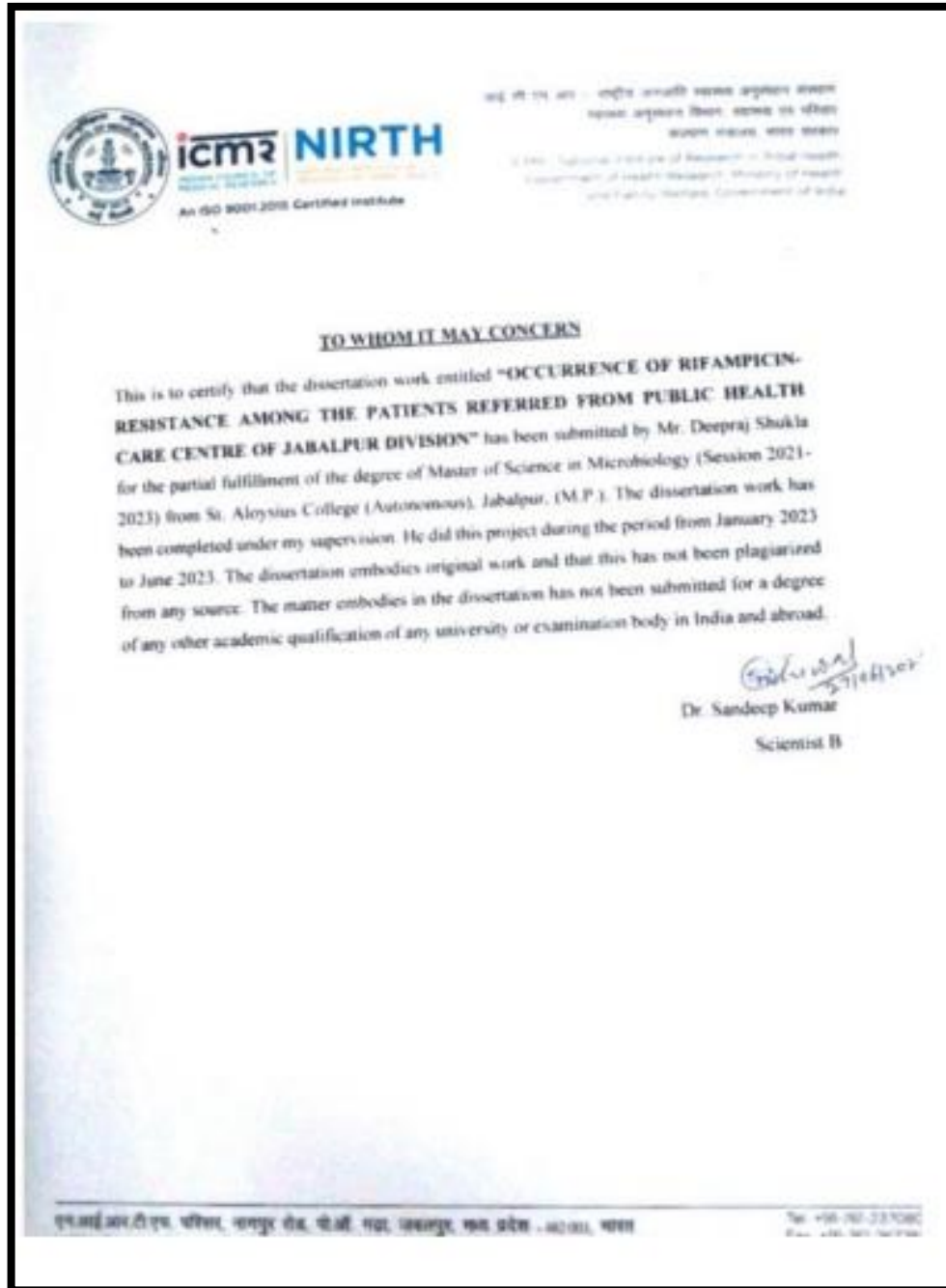
(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Mr. Deepraj Shukla





# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Ms. Arti Tigga



DEPARTMENT OF VETERINARY MICROBIOLOGY  
COLLEGE OF VETERINARY SCIENCE & ANIMAL HUSBANDRY,  
N.D.V.S.U., JABALPUR (M.P.) - 482001



## CERTIFICATE - I

This is to certify that the dissertation work entitled "**Isolation and Biochemical characterization of *Escherichia coli* from chicken meat**" submitted in partial fulfillment of the requirements for the degree of **Master of Science in Microbiology** in **St. Aloysius College (Autonomous), Jabalpur** is a record of the bonafide research work carried out by **Miss. Arti Tigga** under my guidance and supervision.

No part of this thesis has been submitted/ published for any other degree or diploma programme. All the assistance and help received during the course of the investigation has been acknowledged by her.

Place: Jabalpur  
Date: 21.06.23

**Dr. Vandana Gupta (Guide)**  
Associate Professor

**Dr. Ajay Kumar Rai (Co-Guide)**  
Assistant Professor

**Dr. Anju Nayak**  
Head of Department



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Ms.Anjali Tiwari



Ms. Ayushi Upadhyay



1, Ahilya Bai Marg, Pentinaka Chowk, Sadar, Cantt, Jabalpur, Madhya Pradesh, INDIA 482001

+917612620738

info@staloyuscollege.ac.in

Page 48





# ST. ALOYSIUS' COLLEGE

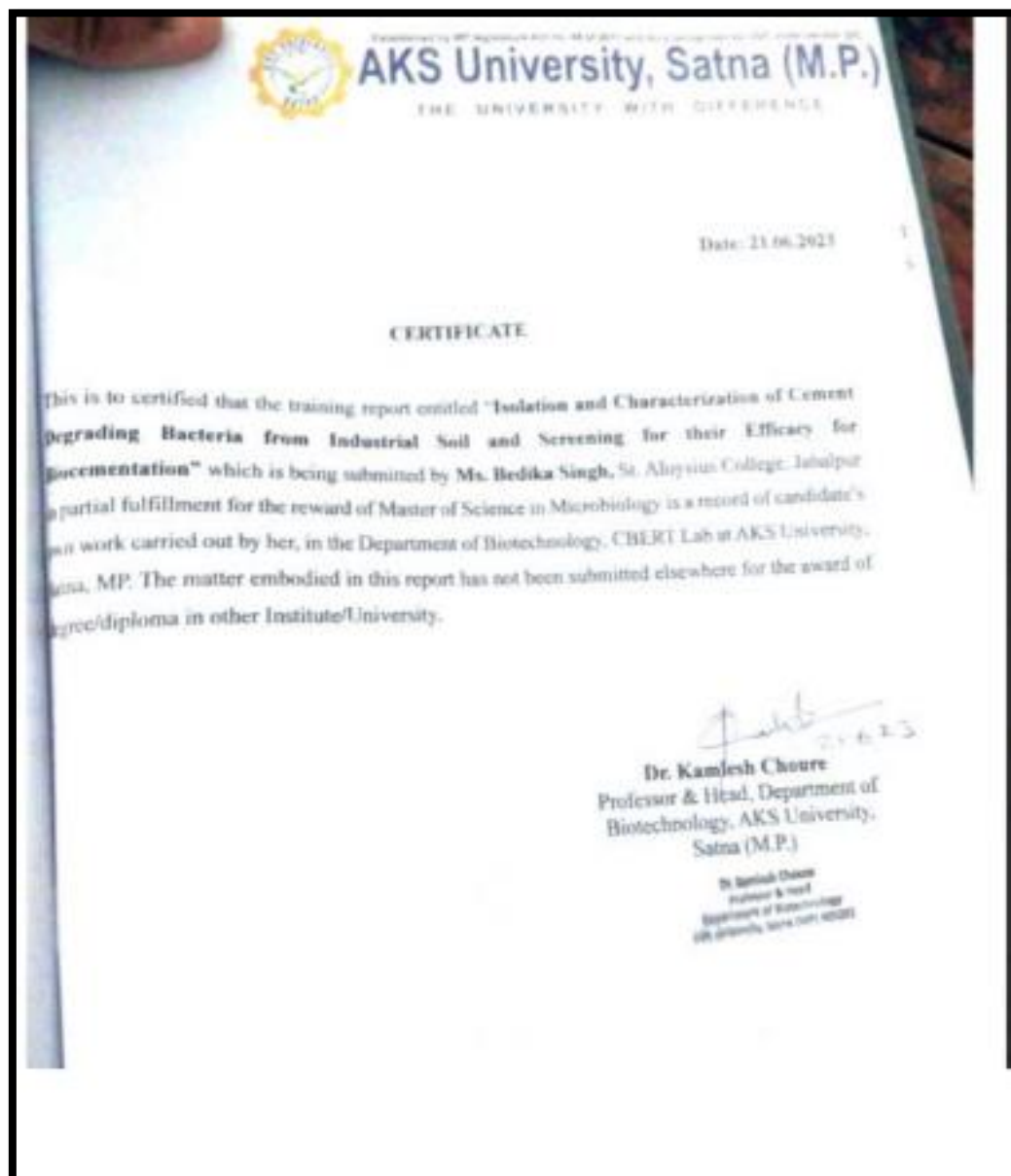
(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Ms. Bedika Singh







# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Mr. Alok Ranjan Joshi





# ST. ALOYSIUS' COLLEGE



(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Ms. Aditi Dubey

<p><b>PROF. SURENDRA SINGH</b> M.Sc., Ph.D (BHU), F.B.S., F.N.R.S. Commonwealth Post-Doctoral Fellow (UK) Visiting Scientist (Hawaii &amp; P.R. China) Director, University Institute of Vocational Studies &amp; Skill Development Center Director, Distance Education Director/Principal UG C, Community College Coordinator Career Guidance, Counselling, Training and Placement Cell. Chairman, Board of Studies in Botany Ex-Dean Students Welfare &amp; Foreign Students Affairs. Ex-Director (MC) University Institute of Management &amp; Commerce</p>		<p>Phone (0) 0761-260701 Fax (0) 0761-2607652 Mobile No: +91 8775266330 E-mail: singhsurendra@yahoo.co.in Department of Biological Science Rani Chaugwan University, Jabalpur 482001(M.P.) India</p>
Ref No: _____		Date: _____
<h2><u>CERTIFICATE</u></h2>		
<p>This is to certify that the Dissertation entitled "SCREENING, SELECTION AND ISOLATION OF THE CYNOBACTERIAL STRAINS COLLECTED FROM THE BIOFILMS OF THE MADAN MAHAL FORT- HISTORICAL MONUMENT" has been submitted by <b>Ms. Aditi Dubey</b>, a student of M. Sc. Microbiology, St. Aloysius College, Jabalpur for the academic year 2023. She has duly completed this dissertation under my supervision and guidance. This dissertation is being submitted for partial fulfillment for the Degree of "Master of Science" in Microbiology at the Department of Botany And Microbiology St. Aloysius College, Jabalpur, (M.P).</p>		
Date: _____ Place: _____	 <b>Prof. Dr. Surendra Singh</b> (Supervisor)	



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Disha Bhagtani



Arya Dubey



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

CORPORATE ID - U73100MP2013PTC031190

## EXCELLENT BIO RESEARCH SOLUTIONS PVT. LTD.

Excellent Tower, 1042, Behind Geetanjali School, 4th Bridge, Napier Town, JABALPUR (MP) INDIA

A NABL Accredited and FSSAI (Govt. of India) Notified Laboratory



### Certificate

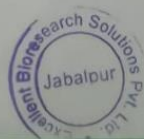


Certificate No. EBR/ F.F.B/23/823

Date of Issue : 1/5/23

This is to certify that Mr./Ms. *Arya Dubey* has successfully completed his/her dissertation/Workshop/Training /Internship on *Quality Analysis of oils and fats* for *15 Days* Days/Weeks/Months from *15.02.23* to *28.02.23* from our laboratory.

*Moica*  
Course Coordinator



*[Signature]*  
Director





# ST. ALOYSIUS' COLLEGE

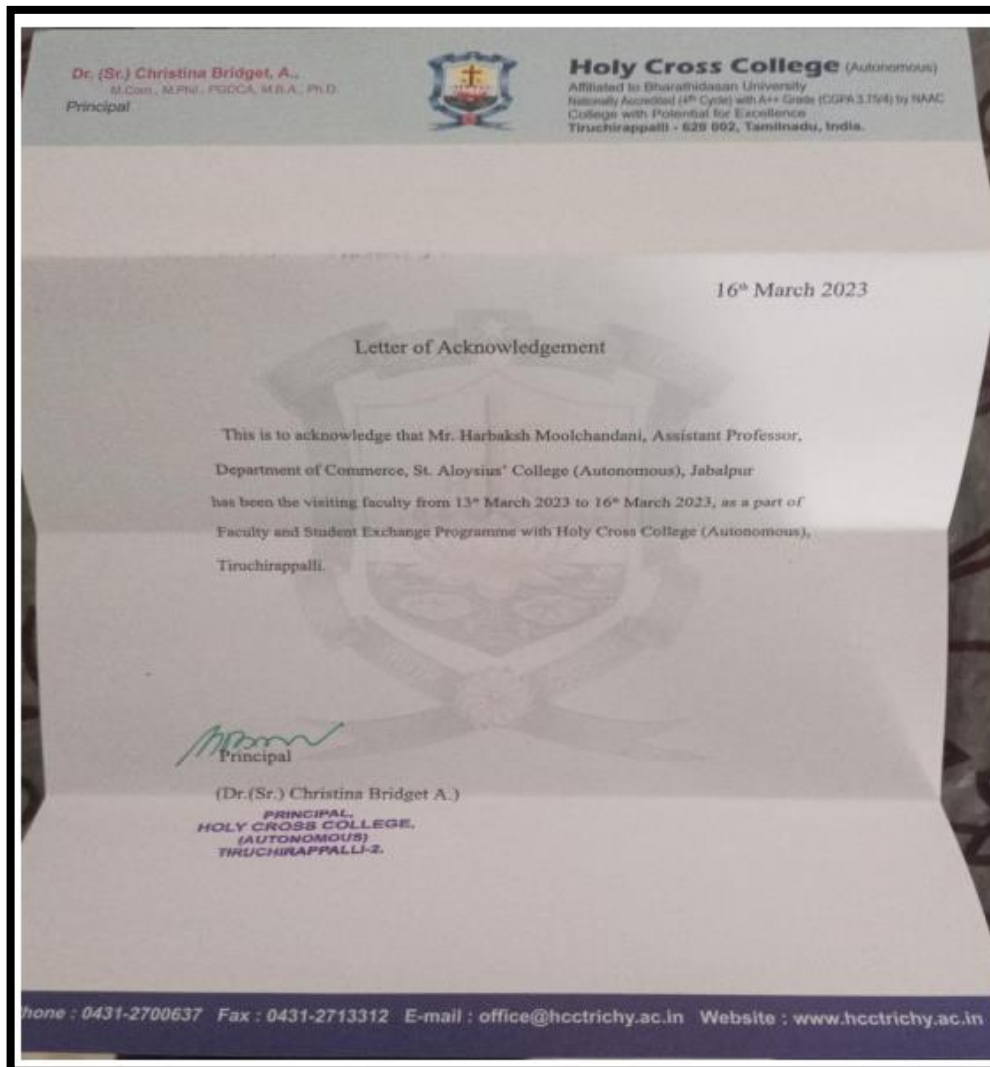
(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Faculty Student Exchange Programme



## Webinar on Practical Implications of Taxation Policy





# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

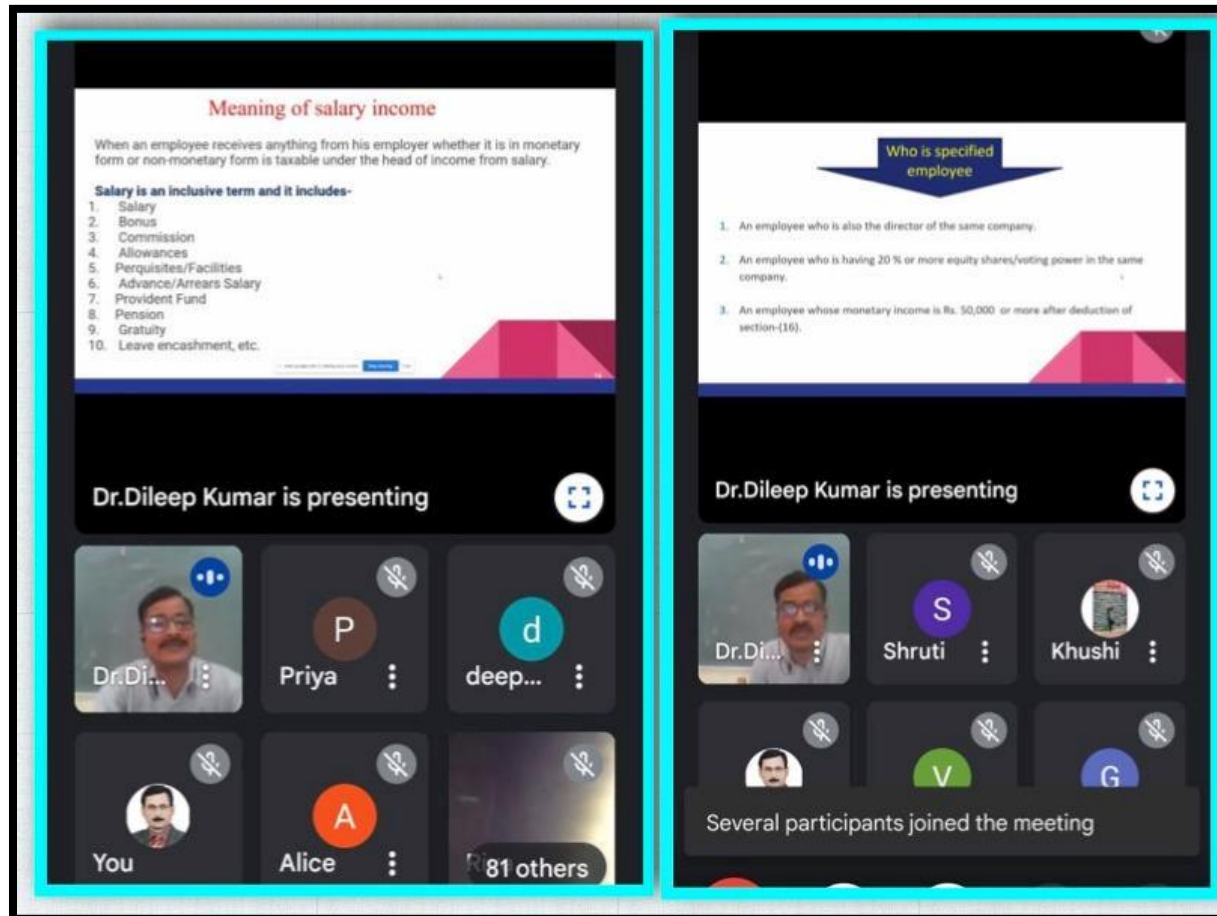
Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Department of Commerce under MOU with St. Paul

Institute of Professional Studies (SPIPS) Indore organized a Webinar on Practical Implications of Taxation Policy on 19 November 2022 through Google Meet Platform. Dr. Dilip Koshta from St. Aloysius College, Jbp was the keynote speaker. More than 100 participants from across the country participated.





# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

**ST. PAUL INSTITUTE OF PROFESSIONAL STUDIES (SPIPS), INDORE**

NAAC "A" GRADE ACCREDITED

DEPARTMENT OF COMMERCE  
UNDER MOU WITH

**ST. ALOYSIUS COLLEGE, JABALPUR, (MP)**

INVITES YOU FOR NATIONAL WEBINAR ON  
**"PRACTICAL IMPLICATIONS OF TAXATION POLICY"**

DATE : 19 NOVEMBER 2022  
DAY: SATURDAY  
TIME : 12:30 PM  
PLATFORM: GOOGLE MEET

**Our Patrons:**

REV. FR. SIMON RAJ, DIRECTOR, SPIPS  
DR. SR. ALICE THOMAS, PRINCIPAL, SPIPS  
REV. DR. FR. C. VAZHAN ABASU, PRINCIPAL, ST. ALOYSIUS COLLEGE

**Our Collaborators :**

DR. DIPIL KISHYA, KEYNOTE SPEAKER, ST. ALOYSIUS COLLEGE  
DR. ROPALI AHLUWALIA, HOD, COMMERCE, ST. ALOYSIUS COLLEGE  
DR. GOLDIE ZAKI, HOD, COMMERCE, SPIPS, INDORE

CERTIFICATES OF PARTICIPATION WILL BE AWARDED

EVENT COORDINATORS : DR. DEEPAI GUPTA, PROF. PRIYA GULANI, SPIPS.

## Certificate Course



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

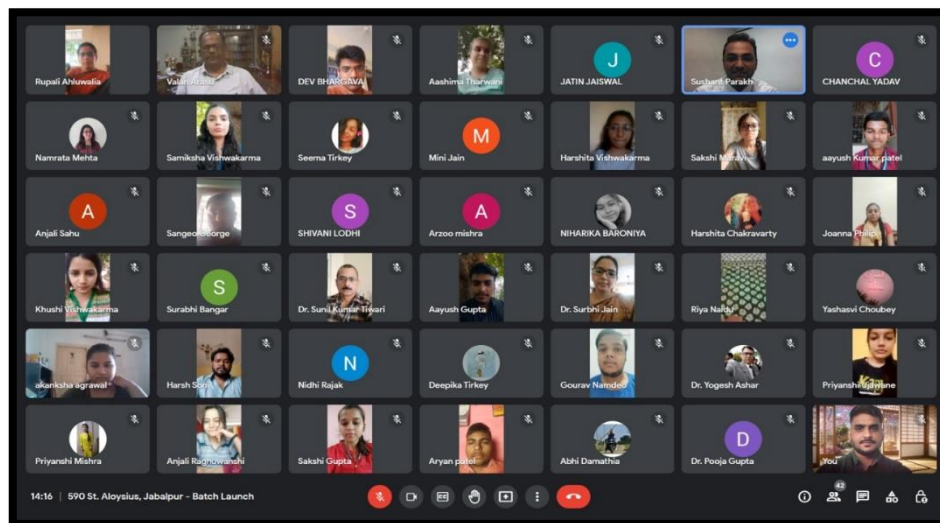
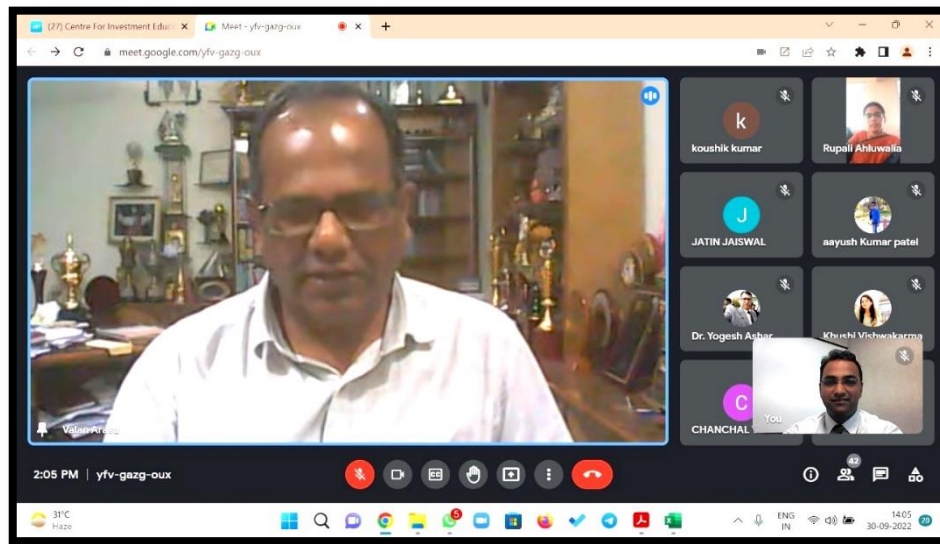
Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Department of Commerce in collaboration with

Bajaj Finserv organized value-added course CPBFI (Certificate Programme on Banking Finance and Insurance) on 30 September 2022. The skill development program helped the students to understand the roadmap of CPBFI.



## Economic Awareness Programme

1, Ahilya Bai Marg, Pentinaka Chowk, Sadar, Cantt, Jabalpur, Madhya Pradesh, INDIA 482001  
+917612620738 [info@staloyusiuscollege.ac.in](mailto:info@staloyusiuscollege.ac.in)





# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Department of Economics under the MOU with Kadam Foundation organized Economic Awareness

Programme on 14 January 2023. Various activities like Speech, Poem, Street Play and Plantation were conducted.





# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.







# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## Online Lecture on Civil Society and Human Rights

Department of Political Science had organized a Online Guest Lecture entitled, “Human Rights and Civil Society” on 10 December 2022. The Resource Person was Dr. Sushila Ramaswamy, Head Department of Political Science, Jesus and Mary College, New Delhi. She Briefed on the concept and Importance of Human Rights and also explained the rights of women, child, disabled etc. 150 students of UG and PG attended the lecture. The students took the human rights pledge after the lecture. The guest lecture concluded with a Question-and-Answer session.





# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

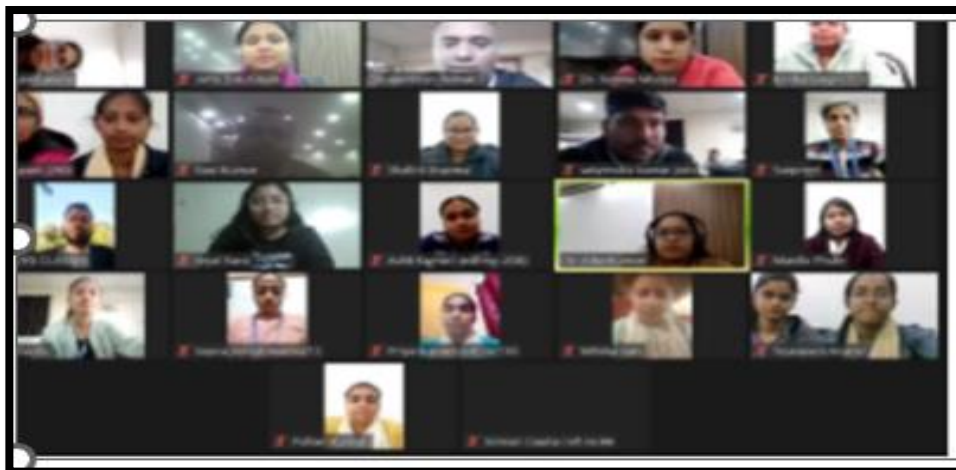
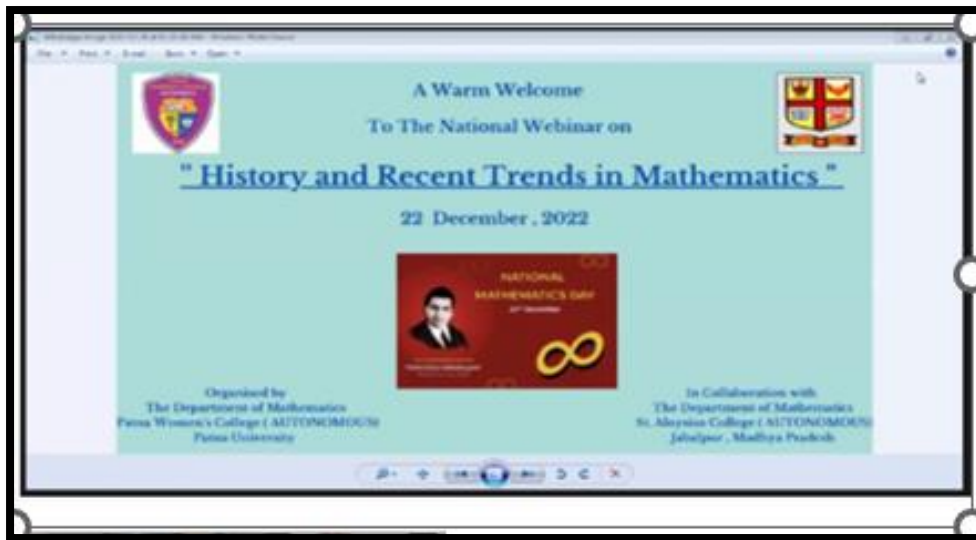
Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## National Webinar

Department of Mathematics, St. Aloysius College (Auto) JBP under MOU with Patna Womens' College (Auto) Patna organized a National Webinar on History and Recent Trends in Mathematics on 22 December 2022. Speaker Dr. Mandira Kar, Head Department of Political Science, St. Aloysius College JBP talked about Indian Mathematics in the Vedic Age and Ms. Alka Kumari, Head Department of Mathematics Patna Women's' Collage Patna talked on Real Analysis. 25 Students presented paper and 125 faculty; teachers participated in the webinar





# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

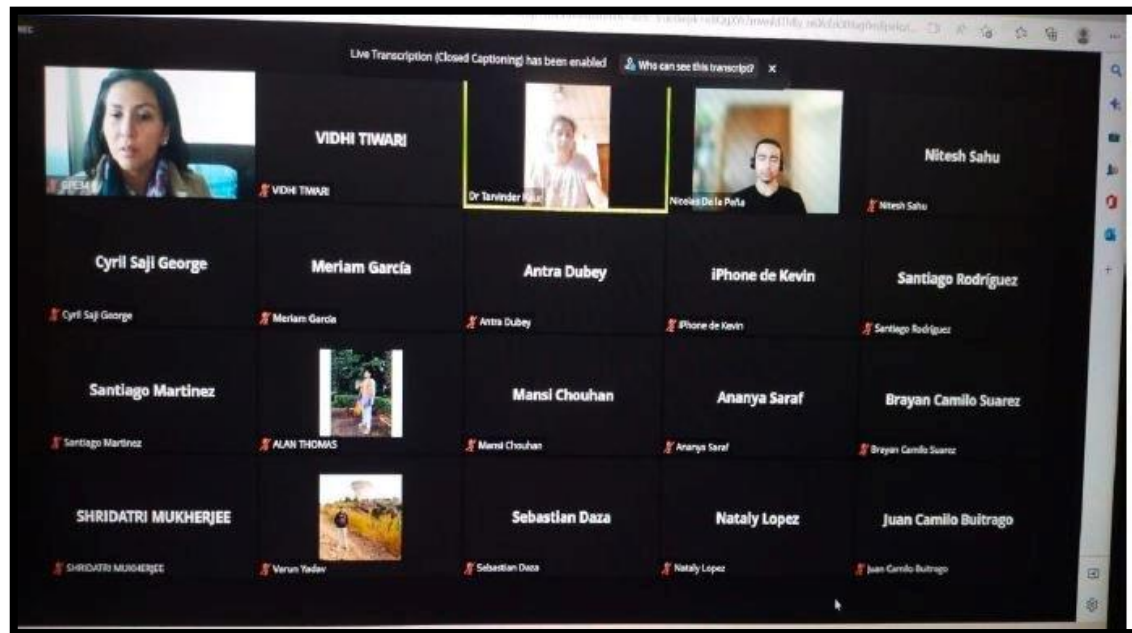
Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## Global Business Course

The Department of Commerce started a Global Business Course under the MOU with East Carolina University with our partner country Columbia fall semester from 18 August 2022.





# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## Global Understanding Project

Global Understanding Project under the MOU with East Carolina University.







# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## National Webinar

St. Paul Institute of Professional Studies Indore the Department of Commerce organised the National Webinar on Introduction of Negotiable Instrument Act, 1881 under the MOU with St. Paul Institute of Professional Studies Indore. Resource person was Dr. CA Deepali Gupta, Asst Professor SPIPS on 6 February 2023 through a Google Meet.







# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

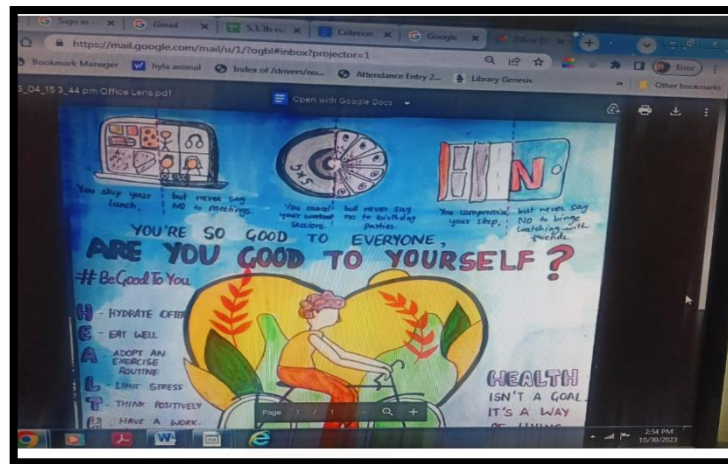
Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## Online Poster Competition

The Department of Zoology under the MOU with Sophia Girls' College Ajmer organized an online Quiz and Poster Competition on 7 April 2023. total 119 students participated in the event.





# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## Visit to Poultry Farm

Department of Zoology organized a Field visit to Phoenix Poultry Farm Gosalpur Jabalpur on 4 March 2023. The objective of the visit was to impart knowledge in modern poultry management and develop their skills. 35 UG and PG students were the beneficiaries.





# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## Industrial Visit

Department of Biotechnology, St Aloysius College, Jabalpur organized a trip to in collaboration with Agadyati Herbs and Food Private Limited on 17 September 2022, for PG students to create awareness regarding organic farming and establishment of a start-up to a commercial level. About 21 students and departmental faculty members participated in the trip. It was a huge success as students cleared all their doubts concerning the organic farming procedures, establishment of a start-up, fundraising for start-ups, etc.







# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.





# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## Robust Internship for UG Students

The Department of Biotechnology under the MOU with Home Science College, Jabalpur conducted a massive 10 days robust internship for the UG students. About 58 students underwent the internship where they learnt from isolating the DNA from various plant samples to its quantification and determining its melting temperature while others learnt about the basics of Plant Tissue Culture.







# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## Industrial Visit

Department of Botany and Microbiology organized Internship and Industrial Visit to Narmada Gelatines Ltd to develop understanding microbiological methods and safety measures used while packaging product and industrial visit - Under certificate course in Water Quality Monitoring.





# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

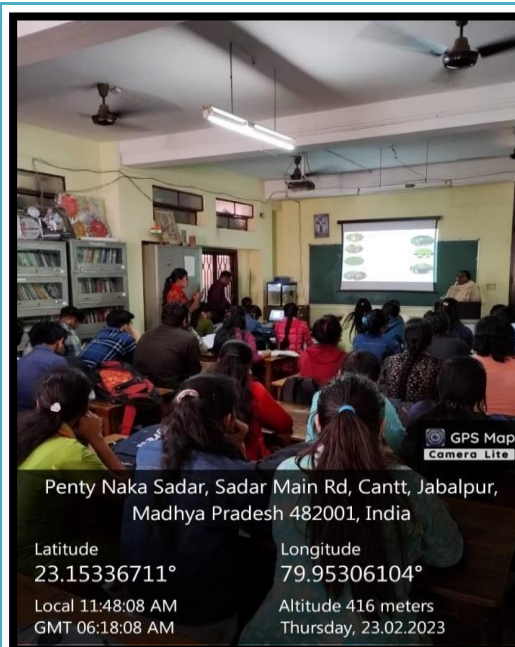
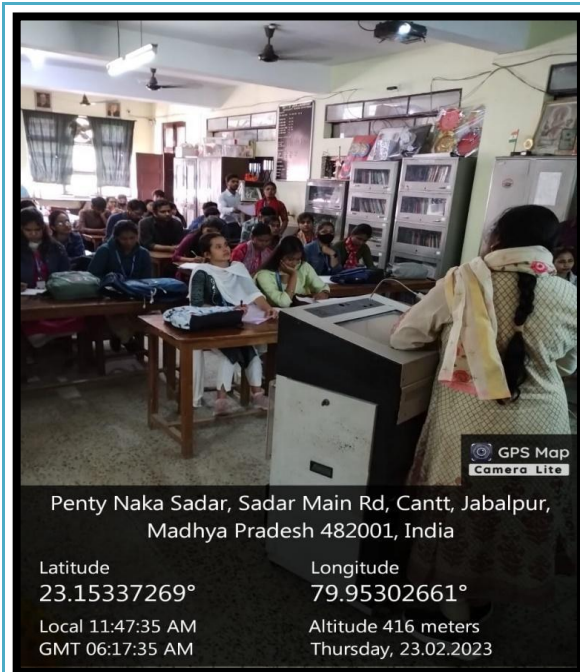
Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## Workshop on Vegetative Propagation

The two-day workshop on 'vegetative propagation' was held on 23-24 February 2023. The workshop was organized by Department of Botany and Microbiology under the MOU with JNKVV. The objective of the workshop was to make the students understand the various modes of propagating different plants. A total of 38 students participated in the workshop. The guest speaker of the occasion was Dr. Reena Nair, Assistant Professor, Department of Horticulture, Jawaharlal Nehru Krishi Vishwavidyalaya. On 24/02/23 students visited Jawaharlal Nehru Krishi Vishwavidyalaya. The resource person Dr. Anita Babbar, Head, Department of Plant Breeding and Genetics gave deep insights on mass cultivation and harvesting procedures of different varieties of Grams. Dr. Jyoti Kujur, Senior Research Fellow, gave practical demonstration of cross pollination in gram. The students then visited Department of Horticulture and plantations in the fields where they got exposure on application of statistics in the field of agriculture. Dr. Rehan Azmi, gave information about nursery management and cultivation of economic crops. Students got an opportunity to witness varieties of crops namely broccoli, cabbage, cauliflower, brinjal, tomato, bottle guard, onion, garlic, spices like blackpepper, fenugreek, carrom, fennel, chilli. They also happened to visit hybrid and grafted crops like pea with edible pods, mango, etc.





# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Day 1 (23/02/2023): Guest lecture by Dr. Reena Nair on 'Vegetative Propagation and Horticulture'



Day 2 (24/02/2023): Field visit to Jawaharlal Nehru Krishi Vishwavidyalaya, Jabalpur (M.P.)







# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## Workshop on Theatre

Department of Education conducted a three days workshop on Theater Under the MOU with Samagam Rang Mandal Jabalpur Under MOU from 15 May- 17 May 2023 for B.Ed II Semester students. The speaker was Ms. Swati Dubey, Director of Samagam Rang Mandal. The Objectives of the workshop was to covered different aspects of acting, ranging from moving, voice modulation, face expression, props, improvisation and stage knowledge and to Develop and lead towards holistic education, accelerate personality development and impart importance life skills, problem solving skills, leadership cooperation and collaboration for the students and to enhance the creativity and imagination in the field of theater. There were 95 participants in the workshop.





# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## Value added Course "Taxation For beginners "

With the objective of attaining academic excellence Value added Course "Taxation For beginners" and CMA (Certified Management Accountant) was conducted on Saturday (2 hr module) along with usual weekly module on demand of the students. The value-added programs supplements students learning and enhances their preparedness to meet the challenges of professional life and also facilitate the students to gain and develop innovative and creative skills through a wide array of course offerings.







# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## Workshop on Solving Business Case Studies

“A Workshop on Solving Business Case Studies “ for B.Com II & III Year students organized on 16 July 2022, where more than 100 students took active participation .Speaker of the session Mr. Abhishek Agrawal, Director T.I.M.E Jabalpur. (Alumni of Indian School of Business, 10 years of Experience). Workshop aimed at enabling students to understand real business world Problem solving and Decision making.





# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA: 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## Workshop on Instrumentation

Workshop on Instrumentation was held by Department of Botany and Microbiology on 9-10 February 2023. To acquire the knowledge of instruments used in experimentation and research in the various disciplines of Life Science. A total of 40 students from Government M.H. College of Home Science & Science for Women, Autonomous, Jabalpur and O.F.K. Government College, Jabalpur attended the programme. The outcome of the event will develop a very good understanding of instruments like Digital Microscope, Air sampler, Gel electrophoresis, BOD Incubator, Stereo Microscope used in experimentation and research in the various disciplines of Life Science.

St. Aloysius College (Autonomous), Jabalpur (M.P.), India  
Reaccredited 'A+' Grade by NAAC (CGPA: 3.68/4.00)  
College with Potential for Excellence by UGC  
DST-FIST supported & Star College Scheme by DBT

**DEPARTMENT OF BOTANY AND MICROBIOLOGY**

**WORKSHOP ON INSTRUMENTATION**

10.30 am onwards

9<sup>th</sup> to 10<sup>th</sup> February, 2023

For UG and PG Students of Life Sciences

Teacher Coordinator:  
Dr. Sonali Nigam (HOD)  
Dr. Mamta Gokhale  
Dr. Durga Ray

Student Coordinator:  
Anushka Mishra  
Harshvardhan Singh

For queries contact  
Email: [bot.sac@gmail.com](mailto:bot.sac@gmail.com)







# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## Workshop on Analytical Techniques

St. Aloysius College (Autonomous) Jabalpur organized the workshop on “Analytical techniques”. The workshop was funded by the Department of Science and Technology under the STUTI scheme held from 21<sup>st</sup> to 27<sup>th</sup> November 2022. The STUTI workshop attracted participants from 19 different institutes. This workshop aimed to provide an insight into the basic principles and advanced usage of different equipment based on analytical techniques such as AFM, Reflectometer, Flame photometer, Air Sampler, Fluorescence microscope and FTIR. The participants were introduced to the basic concepts of image generation, instrumentation and the advanced modes of operation through lecture and technical sessions undertaken by college faculties and also scientists from Banaras Hindu University, Varanasi, and IIITDM Jabalpur. The objective of this workshop was to provide hands-on training to the participants on DST funded instruments to promote the expansion of R&D Infrastructure at the institutions by ensuring transparent access to S&T facilities. Scientists/ Professors/ PhDs and Post Doc Fellows Research scholars to be actively involved in research across various institutions in the country. The focus of this workshop was to have a balance between theory and practical training on the equipment. Emphasis was on hands-on use of equipment for demonstration/characterization by each participant and analysis of participant's samples.

### विश्लेषणात्मक तकनीकों पर सात दिवसीय कार्यशाला का शुभारंभ

▶ जबलपुर, संवाददाता  
(प्रदेश वॉच)।

संत अलायसियस महाविद्यालय, जबलपुर द्वारा विश्लेषणात्मक तकनीकों पर सात दिवसीय कार्यशाला का शुभारंभ दिनांक 21.11.2022 को प्रातः 10:00 बजे से किया गया। डी.एस.टी. के स्तुति कार्यक्रम के अंतर्गत प्रायोजित यह कार्यशाला लायटि टेक्नीक्स (विश्लेषणात्मक तकनीकें) विषय पर आधारित है। कार्यक्रम का प्रारंभ ईश वंदना से किया गया इसके पश्चात अतिथियों का पुष्प गुच्छ से स्वागत किया गया। कार्यक्रम के अगले चरण में कार्यशाला की संयोजिका डॉ सोनाली निगम विभागाध्यक्ष, बॉटनी एवं माइक्रोबायोलॉजी विभाग ने कार्यशाला के उद्देश्यों पर प्रकाश डाला। कार्यक्रम के मुख्य अतिथि प्रो. सर्दुल सिंह संधु डायरेक्टर श्री गुरु नानक देव जी शोध पीठ, रा.दु.वि. जबलपुर ने अपने संदेश में कहा कि विज्ञान सदैव समाज कल्याण हेतु प्रतिबद्ध रहा है धर्म और विज्ञान दोनों ही सत्यता की खोज करते हैं और एक दूसरे के पूरक हैं। हमें जीवन के विविध क्षेत्रों में इनका विवेकपूर्ण ढंग से सदुपयोग करना चाहिए। महाविद्यालय के प्राचार्य डॉ. फा. वलन अरासू ने अपने संदेश में कहा कि अध्ययन का प्रायोगिक पक्ष अत्यंत महत्वपूर्ण होता है और यह हैंड ऑन ट्रेनिंग विद्यार्थियों के लिए ना केवल ज्ञान का विस्तार करेगी अपितु विभिन्न क्षेत्रों में कार्य करने की क्षमता भी इसके माध्यम से विकसित हो सकेगी। कार्यक्रम के सफल आयोजन में महाविद्यालय के उप-प्राचार्यगण डॉ. कल्लोल दास एवं डॉ. अंजली डिस्सूजा, डॉ. फेमिना सोबिन, डॉ. सुतापा राय, डॉ. अमिता शर्मा, डॉ. श्वेता लिखितकर, फा. प्रदीप राड्डिक्स का विशेष योगदान रहा। उद्घाटन सत्र के दौरान मंच संचालन श्रीमती रोशनी चौबे एवं श्री एनोश फिलिप्स के द्वारा तथा आभार प्रदर्शन श्रीमती रुना पाल के द्वारा किया गया।



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## National Webinar

Research and Development Centre of St. Aloysius College has organized a National Webinar on "Cognizance of Intellectual Property Rights for Aspiring Minds" was organized on 31st March 2023. The objective behind this webinar was to create awareness and basic understanding about IPR and provide necessary guidance and training about various procedures of patent search and application filing. The speaker of the event was Dr. Amol R Patil, Examiner, Patent and Design, Indian Patent Office, Mumbai. Total number of students participated in this webinar was 300.



**ST.ALOYSIUS' COLLEGE (AUTONOMOUS) JABALPUR**  
Reaccredited 'A+' by NAAC (CGPA-3.68/4.00)  
College with Potential for Excellence by UGC  
DST FIST Supported & STAR College Scheme by DBT



**NATIONAL WEBINAR**  
*on*  
**COGNIZANCE OF INTELLECTUAL PROPERTY RIGHTS**  
**FOR ASPIRING MINDS**  
(ONLY FOR STUDENTS)  
*organised by*  
**R & D Centre and IIC**  
*in collaboration with*  
**Indian Patent and Trade Marks Office, Mumbai**



**Resource Person**



**MR. AMOL R. PATIL**  
Examiner, Patent &  
Design, Indian Patent  
Office, Mumbai

Rev. Dr. G. Vazhan Arasu  
Principal & Chairperson

Date: 31 March, 2023  
Time:12.00 Noon-1.00 PM

Dr. Manju Gupta  
Coordinator

Dr. Mamta Gokhale  
Organizing Secretary

Registration Link: <https://forms.gle/vPMniPVcySqWYQwK9>



**Note: E-Certificate will be provided to all participants**



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)


Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## Faculty and Student Exchange Programme

**Dr. (Sr.) Christina Bridget, A.,**  
M.Com., M.Phil., PGDCA, M.B.A., Ph.D.  
Principal




**Holy Cross College** (Autonomous)  
Affiliated to Bharathidasan University  
Nationally Accredited (4<sup>th</sup> Cycle) with A+ Grade (CGPA 3.75/4) by NAAC  
College with Potential for Excellence  
Tiruchirappalli - 620 002, Tamilnadu, India.

16<sup>th</sup> March 2023

Letter of Acknowledgement

This is to acknowledge that Mr. Harbaksh Moolchandani, Assistant Professor,  
Department of Commerce, St. Aloysius' College (Autonomous), Jabalpur  
has been the visiting faculty from 13<sup>th</sup> March 2023 to 16<sup>th</sup> March 2023, as a part of  
Faculty and Student Exchange Programme with Holy Cross College (Autonomous),  
Tiruchirappalli.

  
Principal  
(Dr.(Sr.) Christina Bridget A.)  
PRINCIPAL,  
HOLY CROSS COLLEGE,  
(AUTONOMOUS)  
TIRUCHIRAPPALLI-2.

Phone : 0431-2700637 Fax : 0431-2713312 E-mail : office@hcctrichy.ac.in Website : www.hcctrichy.ac.in





# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## Department of Management Certificate Course in Business Analytics

MOST IN-DEMAND COURSE OF THE CENTURY [APPLY NOW](#)

ST. ALOYSIUS' COLLEGE (AUTONOMOUS)

CENTRE OF VALUE ADDED COURSES

### About Course

Create your next opportunity by learning how to apply basic statistics to real business problems and strengthen your analytical skills.

Data analytics can help an organization with everything from personalizing a marketing pitch for an individual customer to identifying and mitigating risks to its business.



**Course Price: Rs. 1500**

Contact Department of Management and Department of  
Computer Science for further information.

Teachers Incharge:

- Mrs. Sukhvinder Kaur Walla +91 9425157667
- Mrs. Rashmi A. Patras +91 6267298860
- Mrs. Shraddha Shrivastava +91 8461914924