

# 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 2019-2020



ST. ALOYSIUS' COLLEGE (AUTONOMOUS), JABALPUR(M.P.) Reaccredited ' A+ ' Grade by NAAC (CGPA 3.68/4.00)

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

2019-2020

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	Nature of the activity
1	Study on Detection of Dengue Virus RNA and Serotyping of Dengue using Whatman Filter Paper	ICMR- National Institute of Research in Tribal Health Department of Health Research	Anjana Marko	6 Months	Dissertation
2	Molecular Characterization of Beta Thalassemia Mutation	ICMR- National Institute of Research in Tribal Health Department of Health Research	Ekta Rao	6 Months	Dissertation
3	DNA Isolation and PCR amplication of GAPDH gene of <i>Capra hircus</i>	Animal Biotechnology Centre,JBP	G. Hemlata	6 Months	Dissertation
4	Preparatory activities for Assessment of Biomedical waste Management at HIV care settings in India	National AIDS Research Institute, Pune	Ms. Nikita Soni	6 Months	Dissertation
5	Study on Tissue Culture in Bamboos Species (Bambusa Bambos and Dendrocalamus strictus)	Tropical Forest Research Institute, Jabalpur	Rajeshwari Narkallu	6 Months	Dissertation
6	Prevalence of Various Hemoglobinopathies among Pregnant Women Attending NSCB Govt Medical College, Jabalpur	ICMR National Institute of Research in Tribal Health	Sakshi Jaiswal	6 Months	Dissertation
7	Kaempferol Induced Cytotoxic and Anti- Invasive Effect in Papillary Thyroid Cancer Cell Line	Bhabha Atomic Research Centre, Mumbai	Jigyasa Patel	6 Months	Dissertation
8	Tamarind Species (Tamarindus indica)	Tropical Forest Research Institute, Jabalpur	Sushma	6 Months	Dissertation
9.	Isolation of Bacteria from Antarctic Soils	National Centre for Microbial Resource	Shraddha Patel	6 Months	Dissertation

<b>e</b>	V
	×
VIELES	ARDUD

## **ST. ALOYSIUS' COLLEGE**

(AUTONOMOUS), JABALPUR(M.P.) Reaccredited \* A+ \* Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CGPA 3.08/4.00) DST-FIST Supported & Star College Scheme by DBT.

10.	Isolation and Culture of Fibroblast Cell of <i>Capra</i> <i>hircus</i>	Animal Biotechnology Centre, Jabalpur	Parul Upadhyay	6 Months	Dissertation
11.	Training workshop on "Poultry Farming as a Source of Self Employment	Phoenix poultry farm, Gosalpur, Jabalpur.	B.Sc. III Students & PG (Zoology)	2 Days	Workshop
12	Visit to TFRI	TFRI, Jabalpur	14 Students & Faculty	One Day	Educational Visit
13.	HR Workshop	Bajaj Finserv	50 Students	2 Days	Workshop
14.	Online National Workshop	IQAC, Patna Women's College (Autonomous), Patna	20 Faculties	2 Days	Workshop
15.	Skill Development Training Program	Jawahar Lal Nehru Krishi Vishwavidyalaya, JBP	PG Students (chemistry)	2 days	Training Program
16	Cultural Immersion Programme	Assumption University of Thailand	Students	5 Days	Exchange Program
17	Workshop	Jabalpur Incubation Centre, JBP		One Day	Workshop
18	CMA Live Webinar	Miles Education		One Day	Webinar
19	Career Prospects in Data Analytics	Jaipuria Institute of Management, Indore	80 Students	One Day	Workshop
20	Visit to Sri Mukund Biotech	Sri Mukund Biotech	PG Students (Biotech)	One Day	Educational Visit
21	Certificate Program in Banking, Finance and Insurance	Bajaj Finserv	60 students	One Day	Certificate Program
22.	Hackathon	JNKVV	50 Students	One Day	Startups



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.

ICI

State and

#### Ms. Anjana Marko

आईसीएमआर—राष्ट्रीय जनजातीय स्वास्थ्य अनुसंधान संस्थान स्वास्थ्य अनुसंधान विभाग, स्वास्थ्यऔर परिवार कल्याण मंत्रालय, भारत सरकार

ICMR - National Institute of Research in Tribal Health Department of Health Research, Ministry of Health and Family Welfare, Government of India

June 2020

#### CERTIFICATE

This is to certify that the dissertation work entitled "Study on detection of **Dengue Virus RNA and Serotyping of Dengue using Whatman Filter Paper**" submitted by **Miss. Anjana Marko** for the partial fulfilment of the degree of masters of science and biotechnology (2020) from St. Aloysius college (Autonomus) Jabalpur (M.P.). She has completed the dissertation work under my guidance at Indian Council of Medical Research (ICMR) National Institute for Research in Tribal Health (NIRTH) Nagpur road, Jabalpur (M.P.) from January 2020 to June 2020. The matter includes in this thesis has not been submitted for award of any other degree.

> Dr.P. V. Barde, Scientist E, ICMR-NIRTH JABALPUR



#### Ms. Ekta Rao



आई सी एम आर—राष्ट्रीय जनजाति स्वास्थ्य अनुसंधान संस्थान स्वास्थ्य अनुसंधान विमाग, स्वास्थ्य एवं परिवार कल्याण मंत्रालय, मारत सरकार

> ICMR - National Institute of Research in Tribal Health Department of Health Research, Ministry of Health and Family Welfare, Government of India

#### TO WHOM IT MAY CONCERN

This is to certify that dissertation work entitled "Molecular Characterization of Beta Thalassemia Mutation" was completed during six-month (January-June 2020) under my guidance by Ms Ekta Rao, M.Sc. (Biotechnology) Semester-IV, Department of Biotechnology, St. Aloysius College, Jabalpur, (M.P.) towards the partial fulfillment of Master of Science in Biotechnology.

Date: 2 July 2020

Dr. Ravindra Kumar Scientist B



#### 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. G. Hemlata



Dr. A.P. Singh M.V.Sc., Ph.D. Associate Professor & I/c Director JABALPUR (Madhya Pradesh) Email. : aijtvet123@gmail.com

ANIMAL BIOTECHNOLOGY CENTRE NANAJI DESHMUKH VETERINARY SCIENCE UNIVERSITY, JNKVV Campus, Krishi Nagar, Adhartal,

Mob. No. : 93026 12206

Date : 11/08/2020

#### CERTIFICATE

This is certify that the dissertation work entitled "DNA isolation and PCR amplication of GAPDH gene of *Capra hircus*" submitted by Miss. G. HEMALATA for the partial fulfillment of degree M.Sc. (Biotechnology) 2020 from St. Aloysius College (Autonomous) Jabalpur (M.P.). She has completed the dissertation work under my guidance at Animal Biotechnology Centre, Nanaji Deshmukh Veterinary Science University, Jabalpur (M.P.) from January 2020 to August 2020. The matter include in this thesis has not been submitted for award of any other degree.

Dr. Ajit Pratap Singh

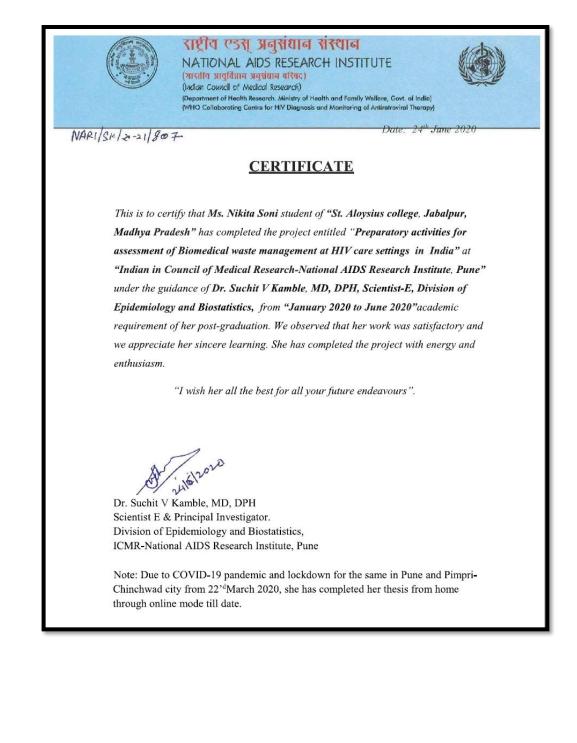
Associate Professor cum Senior Scientist Animal Biotechnology Centre NDVSU, Jabalpur



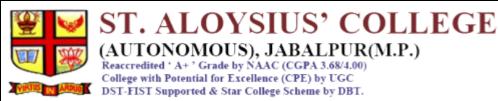
ST. ALOYSIUS' COLLEGE (AUTONOMOUS), JABALPUR(M.P.) Reaccredited ' A+ ' Grade by NAAC (CGPA 3.68/4.00) College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

#### Ms. Nikita Soni



Page 6



Ms. Rajeshwari Narkallu

m".kdfVCka/kh; ou vuqla/kku laLFkku **TROPICAL FOREST RESEARCH INSTITUTE** 

PRINCIPAL St. Alaysius College (Autonomous) JABALPUR- 482001 (M.P.)

INDIA

(Indian Council of Forestry Research & Education)

(An Autonomous Council under the Ministry of Environment & Forests, Govt. of India)

#### **Genetics & Plant Propagation Division**

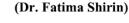
P.O. - R.F.R.C, JABALPUR - 482 021 (M.P.)

(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.

#### **CERTIFICATE**

This is to certify that the work done for the dissertation, entitled "STUDY ON TISSUE CULTURE IN Bamboos species" (Bambusa bambos and Dendrocalamus strictus) submitted partial fulfillment for the degree of "Masters of Science in Biotechnology", St. Aloysius' College (Autonomous) Jabalpur M.P., is a bonafied record of research project carried out by Rajeshwari Narkallu under my supervision at Genetics and Plant Propagation Division, Tropical Forest Research Institute, Jabalpur



Supervisor

Scientist-F ,HOD

Genetics and Plant Propagation Division TFRI, 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

#### Ms. Sakshi Jaiswal



DST-FIST Supported & Star College Scheme by DBT.

vkbZlh,evkj&jk"V<sup>a</sup>h; tutkfrLokLF;vuqla/kkulaLFkku LokLF; vuqla/kkufoHkkx] LokLF; ,oaifjokj dY;k.kea=ky;] Hkkjrljdkj

ICMR - National Institute of Research in Tribal Health Department of Health Research, Ministry of Health and Family Welfare, Government of India

TO WHOM IT MAY CONCERN

This is to certify that dissertation work entitled "Prevalence of various hemoglobinopathies among pregnant women attending NSCB Govt Medical College, Jabalpur" was completed during six-months (January-June, 2020) under my supervision by Ms Sakshi Jaiswal, M.Sc. (Biotechnology) Semester-IV, Department of Biotechnology, St. Aloysius College, Jabalpur, (M.P.) towards the partial fulfillment of Master of Science in Biotechnology.

Date: 10 July 2020 Rajasubramaniam

Scientist E Head, Division of Genetic Disorders

In South en view Dr &



### **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. Sushma|



\*m".kdfVCka/kh; ou vuqla/kku laLFkku
\*TROPICAL FOREST RESEARCH INSTITUTE



(Indian Council of Forestry Research & Education)

(An Autonomous Council under the Ministry of Environment & Forests, Govt. of India) Genetics & Plant Propagation Division

P.O. - R.F.R.C, JABALPUR - 482 021 (M.P.)

#### CERTIFICATE

This is to certify that the work done for the dissertation, entitled "Tamarind Species (Tamarindus indica) submitted partial fulfillment for the degree of "Masters of Science in Biotechnology", St. Aloysius' College (Autonomous) Jabalpur M.P., is a bonafied record of research project carried out by Sushma under my supervision at Genetics and Plant Propagation Division, Tropical Forest Research Institute, Jabalpur

(Dr. Fatima Shirin)

Supervisor

Scientist-F ,HOD

Genetics and Plant Propagation Division TFRI, Jabalpur



Page 9

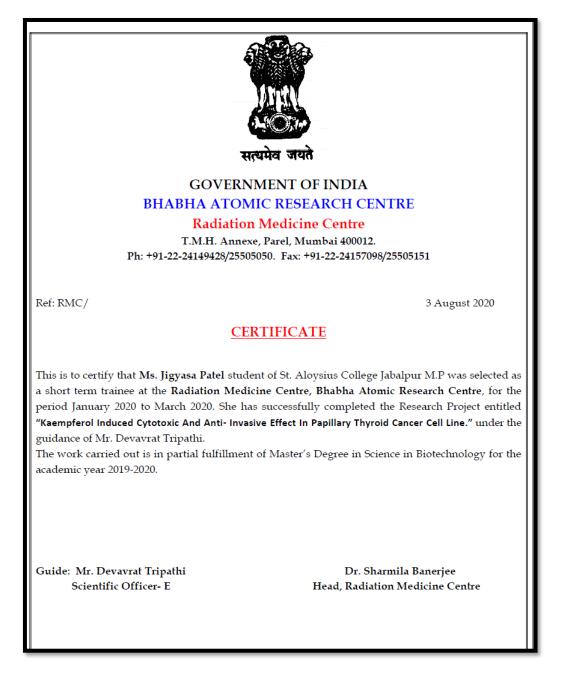
2



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 Patel

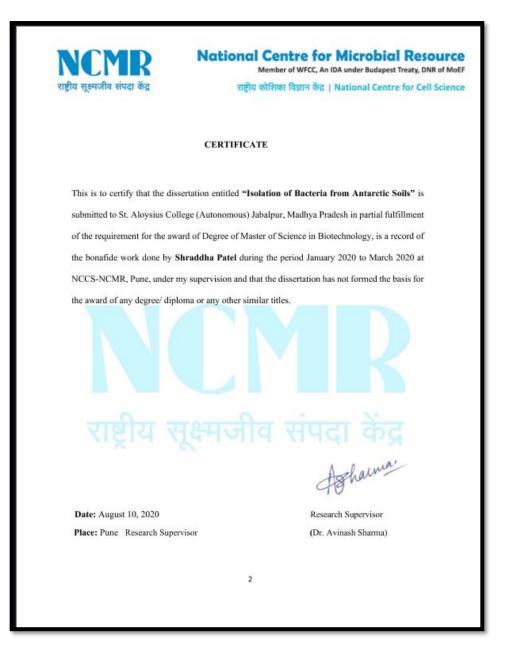


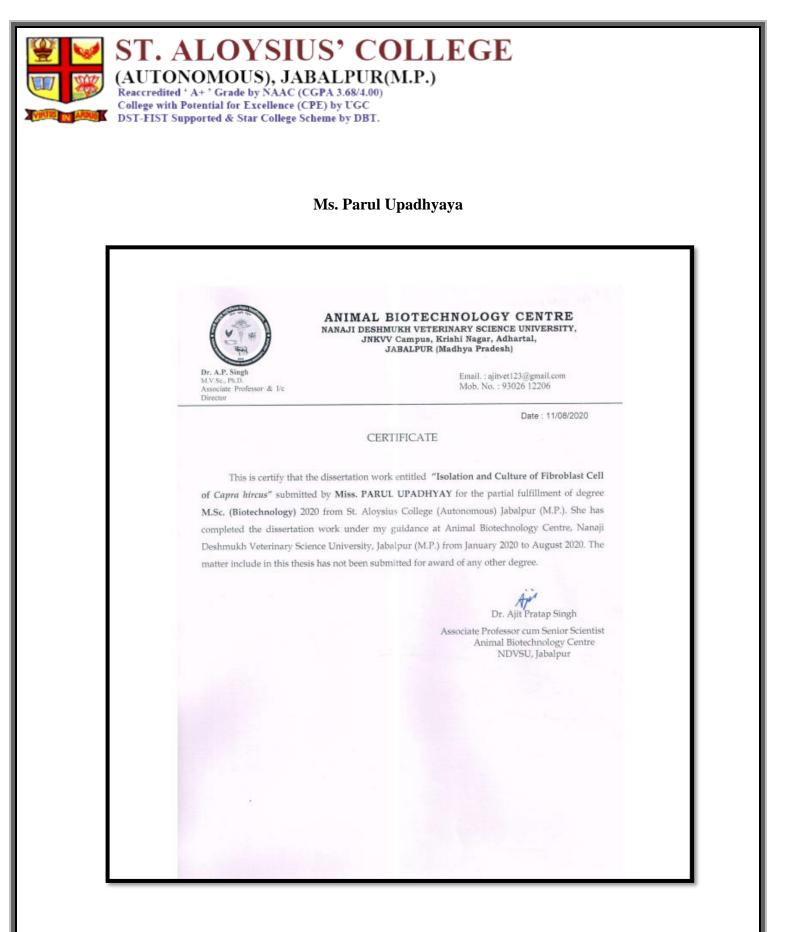


ST. ALOYSIUS' COLLEGE (AUTONOMOUS), JABALPUR(M.P.)

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. Shraddha 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. Fiza Tarranum





#### Training workshop on "Poultry Farming as a Source of Self Employment

Two days training workshop on "Poultry Farming as a Source of Self-Employment" was organized on 30th & 31st August, 2019 in collaboration with Phoenix poultry farm, Gosalpur, Jabalpur. The workshop was conducted to promote the scientific knowledge, professional skill, entrepreneurship and marketing skills in poultry farming under the guidance of Mr Amar Shrivas, General Manager, Phoenix poultry farm, Gosalpur, Jabalpur. During the technical session on 30th August 2019, two guest lectures by veterinary doctors were organized to provide detailed technical knowledge of poultry farming. Faculty members and students visited the Phoenix poultry farm, Gosalpur, Jabalpur on 31st August 2019. Total 122 students of B.Sc III year and PG participated in the workshop.

Dr. Aamir Khan Veterinary Physician delivered a lecture on "Poultry Management"
 Dr. A.K Upadhaya Veterinary Pathologist spoke on the topic "Common Poultry Diseases".

OR "Poultry farming as source of self- employment" (Entrepreneurship in Poultry Farming) 30 <sup>th</sup> - 31 <sup>st</sup> August 2019 "REGISTRATION FORM"	<ul> <li>To provide on campus trainings to the students.</li> <li>To promote the scientific knowledge, professional skill, entrepreneurship and marketing skills in Poultry farming.</li> <li>To acquire enterprise management capabilities including skills for project development and execution, marketing, etc related to Poultry farming.</li> </ul>				
Name (in Block letters)	Technical Expert & Advisor	Prologue Poultry farming is the process of raising			
Designation	Mr. Amar Shrivas General Manager,	domesticated birds such as chickens, duck turkeys and geese for the purpose of farmin meat or eggs for food. Poultry – most			
Institution	Phoenix Poultry Farm, Jabalpur	chickens – are farmed in great numbers. 4 Poultry is at the same time particularly			
	Organizing Committee	important for small holders and poor rural an urban population and a commodity produce			
Correspondence Address	<b>Patron</b> Rev. Dr. G. Vazhan Arasu	in large scale and intensive operations, making it one of the fastest growing agricultural sub-sectors Global production of eggs has reached 73			
Pin codeCity	Advisor Dr. (Mrs.) Anjali D' Souza	<ul> <li>Global production of eggs has reached /3 million tons and global production of poultry meat is close to 100 million tons (GLEAM 2, 2016). Backward systems contribute to 8% of</li> </ul>			
StateContact No	<b>Convenor</b> Dr. Parnashree Mukherjee	global eggs production and 2% of global poultry meat production. The majority (92%) of poultry meat production comes from			
E-Mail Registration Fees: Rs .100/-	Organizing Secretaries	specialized broiler systems and layers only contribute to 6% of the total.			
	Mrs. Runa Paul	4 The world has over 23 billion poultry birds-			
Date: Place:	Dr. Daya Shankar Gautam	about three per person on the planet (FAOSTAT, 2016), and about 5 times more			
	Dr. Priyanka Sinha	than 50 years ago. They are kept and raised in a wide range of production systems, and			
Signature of the participant (Photocopy of this form may be used)	Dr. Manju Dixit	provide mainly meat, eggs and manure for crop fertilization.			



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 TFRI

Department of Biotechnology, St. Aloysius' College (Auto) Jabalpur visited to TFRI, Jabalpur on 31st Jan 2020. Dr. Fatima Shireen, Scientist, TFRI guided the tour and 14 students made a visit. The visit was conducted to make the student aware about the researches going on Plant tissue culture.



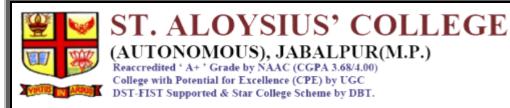




#### **HR Workshop**

Department of Commerce in collaboration with Bajaj Finserv conducted HR workshop on 21st & 22nd January 2020. Prominent recruiters interacted with the students.

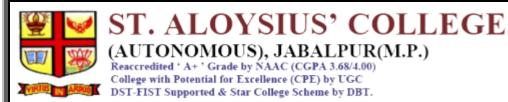




#### **Online National Workshop**

IQAC, Patna Women's College (Autonomous), Patna in collaboration with St. Aloysius College (Autonomous), Jabalpur, M.P. is organizing Two Day "Online National Workshop on NAAC Assessment & Accreditation: Preparation and Training" on 29th & 30th May, 2020.





#### **Skill Development Training Program**

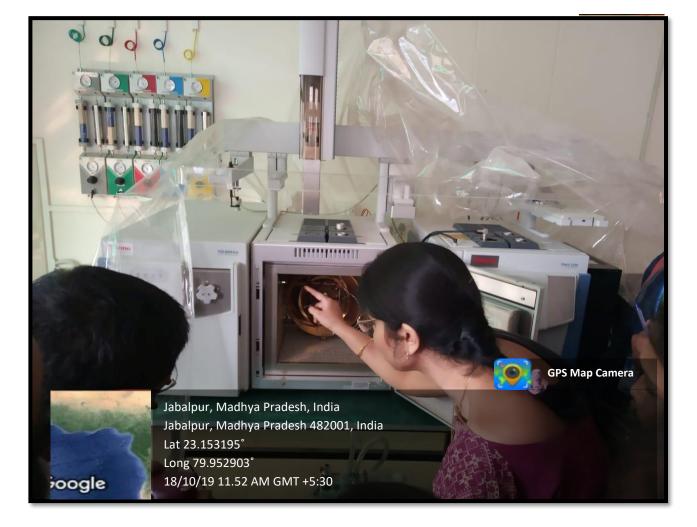
Department of chemistry has organized 2 days SKILL DEVELOPMENT TRAINING PROGRAM(17-18 October 2019) on Soil Testing Skill And its Advantages, In Jawahar Lal Nehru Krishi Vishwavidyalaya, JBP. This program was organized for MSc Students which also included the visit of Biofertilizer Plant and Pesticides Residue Analysis Lab.



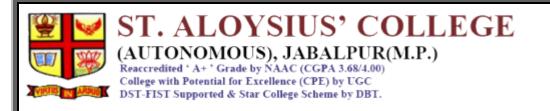


## ST. ALOYSIUS' COLLEGE

(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.

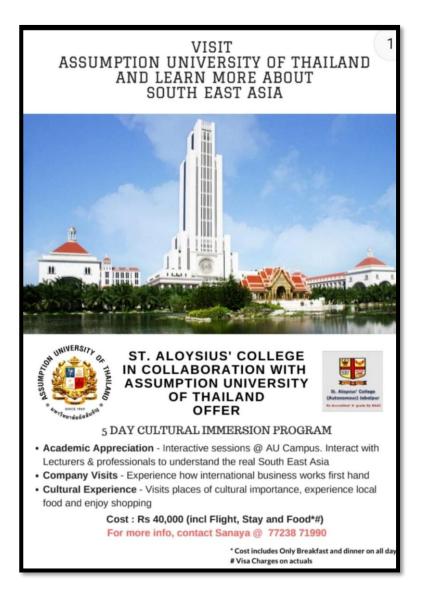


P 1, Ahilya Bai Marg, Pentinaka Chowk, Sadar, Cantt, Jabalpur, Madhya Pradesh, INDIA 482001
 +917612620738 M info@staloysiuscollege.ac.in
 Page 20



#### **Cultural Immersion Programme**

Study tour to Thailand: - Department of Management, St. Aloysius' College (Auto) Jabalpur, in collaboration with Assumption University of Thailand offered 5 days Cultural immersion Programme.

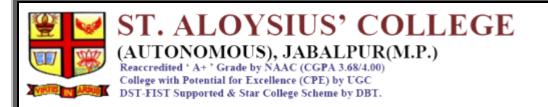




#### Workshop

Workshop organized by Bio Design Innovation, Incubation Centre & Entrepreneurship cell on 11th September 2019. Students presented their prototypes and 13 prototypes selected by Jabalpur Incubation Centre. Mr. Agranshu Diwedi, Mr. Vikas Bhati and Ms. Barkha Upadhyay were presented from JIC.

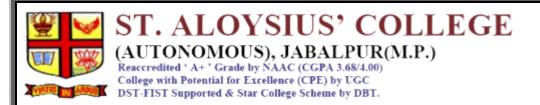




#### **CMA Live webinar**

Department of Commerce, St. Aloysius College (Auto) in collaboration with Miles Education conducted CMA Live Webinar conducted for skill enhancement of CMA students on 6th September 2019.





#### **Career Prospects in Data Analytics**

Department of Management and Placement Cell, St. Aloysius College (Auto), Jabalpur in collaboration with Jaipuria Institute of Management, Indore organized workshop on Career Prospects in Data Analysis on 31 January 2020. Dr. Pooja Kushwaha from Jaipuria Institute of Management, Indore was invited for addressing final year students of all the disciplines of our college. She gave the students very valuable information on data analytics , how is it useful and what job prospects are emerging in the market. Around 80 students of our college were benefitted from the session.





#### Visit to Sri Mukund Biotech

Department of Biotechnology visited PTC commercial Lab - Sri Mukund Biotech on 27th July 2019. Sri Mukund Biotech is a commercial set up for plant Tissue Culture. PG students along with faculty made a visit to understand the basics of Tissue Culture and Commercial PTC set up.





#### Certificate Program in Banking, Finance and Insurance

Department of Commerce in collaboration with Bajaj Finserv launched CPBFI- Certificate Program in Banking, Finance and Insurance on 22nd August 2019. Mr. Ajay Sathe, Head Customer Relations and CSR, Bajaj Finserv was addressed the students





#### Hackathon

Design Incubation Centre, St. Aloysius College (Auto) Jabalpur in collaboration with JNKVV conducted Hackathon- idea sharing in front of JNKVV scientist and coordinator of Incubation Centre Dr. Suneel Nahatkar. And also organized exhibition of DIC Prototypes on 11 September 2020.







DST-FIST Supported & Star College Scheme by DBT.

