

# ST. ALOYSIUS' COLLEGE

AUTONOMOUS JABALPUR- 482001 MADHYA PRADESH, INDIA

# **CRITERION-3**

# RESEARCH, INNOVATIONS AND EXTENSION

**Key Indicator – 3.7 Collaboration** 





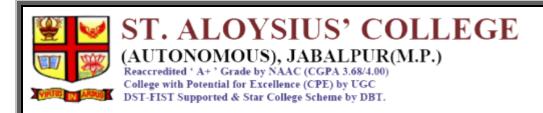
Metric No.: 3.7.1 Collaboration





**Document Name** 

Activities Under Collaboration 2020-2021



# **Collaboration**

# 3.7.1 List of Activities and Exchange provided in the Year 2020-2021

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Beneficiaries	Duration	Nature of the activity
1.	Anti-diabetic effect of Syzygium cumini aqueous extract through modulation of endoplastic reticulum and oxidative stress in chronic streptozotocin induced diabetic rat model	CSIR – Central Drug Research Institute, Lucknow (U. P.)	Vaishali Mishra	6 months	Dissertation
2.	Construction of Sp zta1& Knockout, and Sp zta1- GEP Cloning for localization in schizosaccharomyas Pombe.	CSIR – Central Drug Research Institute, Lucknow (U. P.)	Palak Yadav	6 months	Dissertation
3.	Quality Control in Milk and Milk Products	Department of Jabalpur Sahkari Dugdh Sangh Maryadit, Jabalpur (M. P.)	Afia Qureshi	6 months	Dissertation
4.	Assessment Of Bacterial Thermophiles for Enzyme Activities Under Extreme Condition	AKS University, Satna (M. P.)	Anamika Kushwaha	6 months	Dissertation
5.	Soyabean Hairy Root Produce In-vitro by Agrobacteria <i>rhizogenes</i> mediated- transformation	ICAR- Indian Institute of Soybean Research Indore	Aastha Tiwari	6 months	Dissertation
6.	In-vitro evolution of bacterial endophytes against Macrophomina phaseolina	ICMR- NIRTH, Bhopal (M. P.)	Aayushi Nagwanshi	6 months	Dissertation
7.	Are the fried snacks available in Jabalpur, microbiologically safe	Excellent Bio Research Pvt. Limited, Jabalpur (M.P.)	Meenu Patel	6 months	Dissertation



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8.	Occurrence of sickle cell disease among hospital referred patients	ICMR- National Institute of Research in Tribal Health, Jabalpur (M. P.)	Miss Melisa Kujur	6 Months	Dissertation
9.	Study of Genetic Diversity of Biomaker histidine-rich Protein 2 & 3 In Malaria Parasite <i>Plasmodium</i> falciparum	ICMR- National Institute of Research in Tribal Health, Jabalpur (M. P.)	Monika Kumari	6 months	Dissertation
10		Fr. Agnel College of Arts & Commerce, Goa, Bhopal School of Social Sciences, Sophia Girls College Ajmer, South Indian Association College of Higher Education, Mumbai,St. Thomas College, Patna Womens' College, Patna, Princess Nourah Bint Abdulrehman University Riyadh, Kingdom of Saudi Arabia	Sheril Thomas, Neeti Sharma, Gurbani Kaur Padam, Garima Bajpai,Ekta Sakesna, Chanjot Singh Wadhwa,Hitesh Sadani,Pranjali Verulkar,	5 days	International Student Faculty Exchange Programme
1:	1. Confluence 2020 - International Faculty Exchange Programme	Fr. Agnel College of Arts & Commerce, Goa, Bhopal School of Social Sciences, Sophia Girls College Ajmer, South Indian Association College of Higher Education, Mumbai, St. Thomas College, Patna Womens' College, Patna, Princess Nourah Bint Abdulrehman University Riyadh, Kingdom of Saudi Arabia	Dr. Siby Samuel, Dr. Elena Philip, Dr. Shikha Bansal, Dr Neelanjana Pathak, Dr. Kallol Das, Dr. Hephzibah John,	6 days	International Student Faculty Exchange Programme
12	2. Creating A Positive World Culture: Strategy for Quality and Excellence	Patna Women's College, Patna	200 participants	5 days	Online Faculty Development
13	3. Business Communication & Employability Skills	Pune Institute of Business Management	BBA Students	1 Day	Webinar
14	4. Virtual Science Setu	Translational Health Science and Technology Institute	B. Sc Students	1 Day	Webinar
15	5. Agri- EntreprenuershipAwareness Programme	Jabalpur Incubation Centre	10 Students	1 Day	Workshop
10	5. FDP on Academic Research and Capacity	Prof. Gary I Lilienthal	20 Teachers	6 Months	Research paper writing

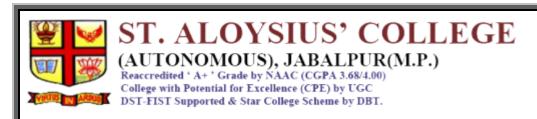


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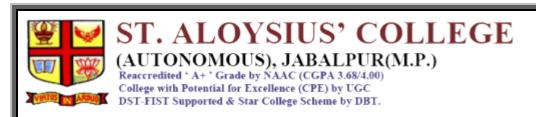
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	Building: Scopus and ISI Indexation				
17.	Webinar on Ascend your Learning Curve in Collaboration with RedHat Academy	Red Hat Academy	67 Students	1 Day	Webinar
18.	Certificate Course	Red Hat Academy	18 UG & PG Students	1 Month	Certificate Course
19.	Certificate Course: Management Accountant Training & Case Study Competition	CMA	36 Students	1 Year	Certificate Course/ Competition
20.	CPBFI Add-on Course	Bajaj FinServ	72 students and 3 teachers	1 Month	Certificate Course
21.	Global Understanding Programme	East Carolina University	40 Students	20 days	Student Exchange Programme
22.	Webinar on "Decoding the mind-body connection of Women in India"	Sarvapriya Foundation New Delhi	60 Students	1 Day	Webinar
23.	Faculty Exchange Program	Sophia College, Ajmer	70 Students & Faculties	2 Days	Exchange Program
24.	"YESS- Young Entrepreneurs to Start-up Stars (A Beginning)"	Jabalpur Incubation Centre	100 UG Students	3 Days	Innovative Ideas



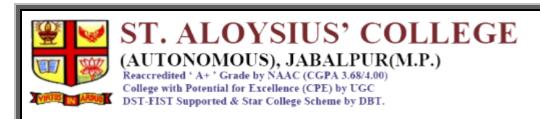
#### Ms. Vaishali Sunil Mishra



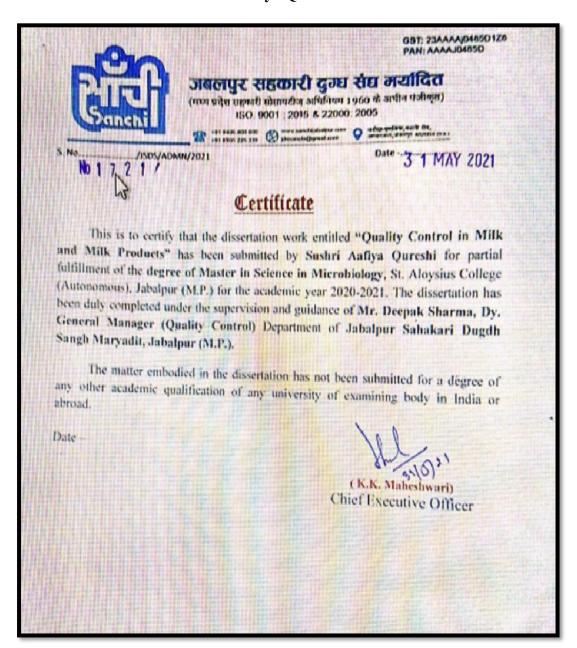


#### Ms. Palak Yadav





# Ms. Aafiya Qureshi



#### Ms. Anamika Kushwaha



Department of Biotechnology Faculty of Life Sciences & Technology

Dr. Kamlesh Choure Professor & Head Department of Biotechnology

Ref.: AKSU/DBT/CEBRT/2021/32

Date: 26 June 2021

#### CERTIFICATE

This is to certified that the dissertation report entitled "Assessment of bacterial thermophiles for enzyme activities under extreme conditions" which is being submitted by Ms. Anamika Kushwaha, St. Aloysius college Jabalpur in the partial fulfillment for the award of Master of Science in Microbiology is a record of candidate's own work carried out by her under my supervision in the Department of Biotechnology, CEBRT Lab at AKS University, Satna during Jan.-June, 2021. The matter embodied in this report has not been submitted elsewhere for the award of degree/diploma in any other Institute/University. The reference matter included in the report has not been screened for plagiarism. This report cannot be published without taking prior approval from the undersigned.

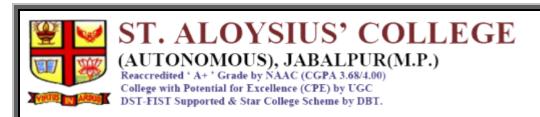
We wish her for best future ahead.

(Dr. Kamlesh Choure) Supervisor

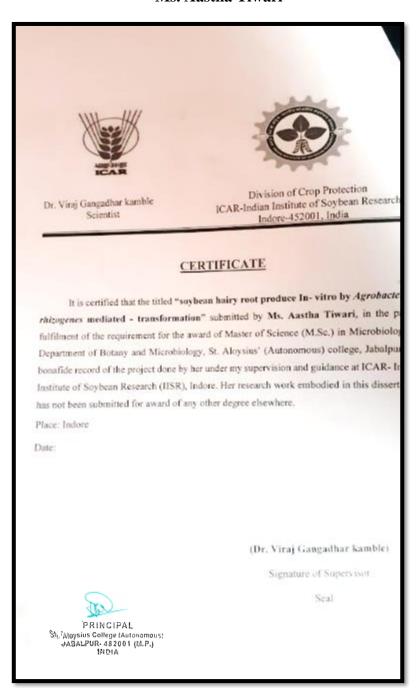
> Dr. Earniesh Cheure Professor & Heed Department of Bistechnology AES University, Satus (MF) 48500

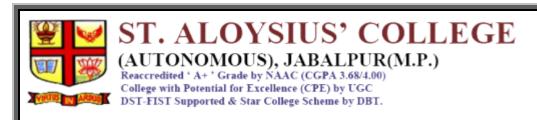
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Sharganj, Panna Road, SATNA-485001 (M.P.) INDIA ©09981124776, 08889537776, Fax: 07672-404776 Website-mwaksuniversity.acin
AKS University is decilicated to Uniqueness, Excellence, Creativity, Innovation & Perfection

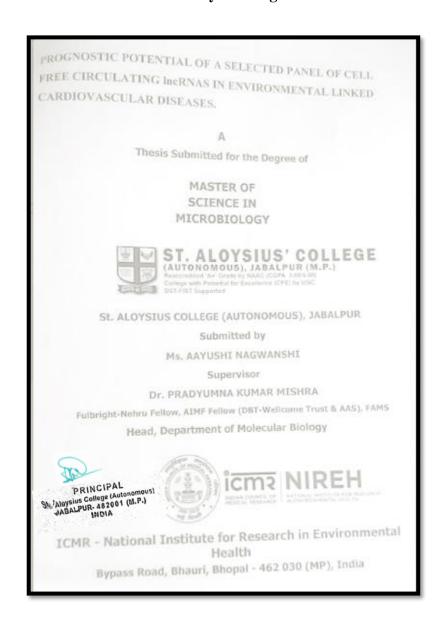


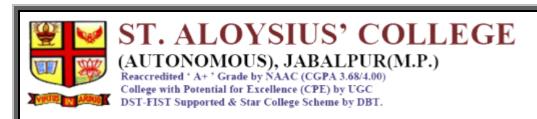
### Ms. Aastha Tiwari



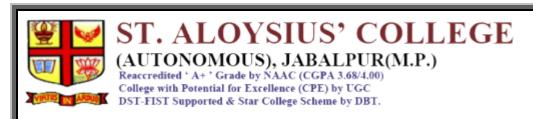


# Ms. Aayushi Nagwanshi

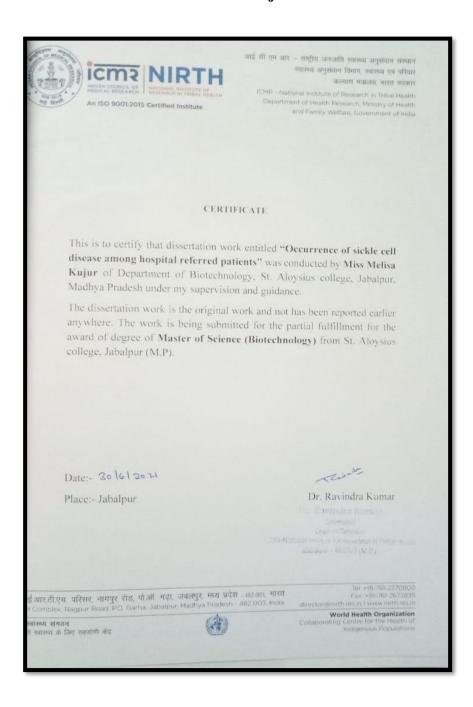


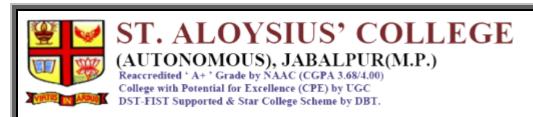




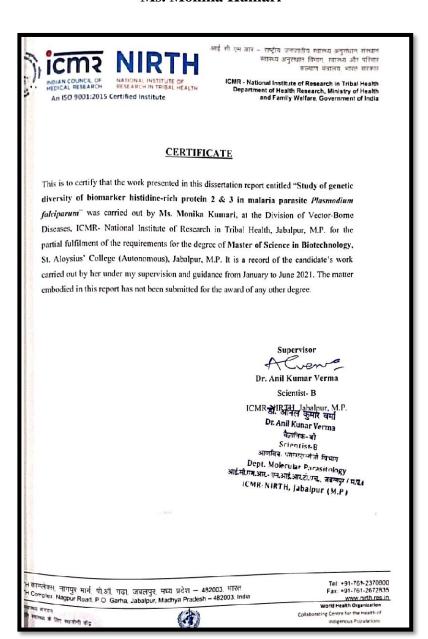


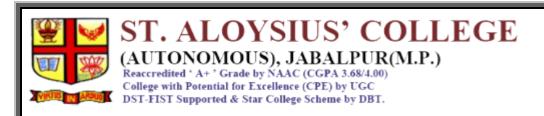
### Ms. Melisa Kujur





#### Ms. Monika Kumari





### **Confluence 2020: International Student Faculty Exchange Programme**

St. Aloysius College hosted five days Confluence 2020: International Student Faculty Exchange programme, from 21<sup>st</sup> to 25<sup>th</sup> September, 2020 in collaboration with Fr. Agnel College of Arts & Commerce, Goa, Bhopal School of Social Sciences, Sophia Girls College Ajmer, South Indian Association College of Higher Education, Mumbai's, Thomas College, Patna Women's' College, Patna, Princess Nourah Bint Abdulrehman University Riyadh, Kingdom of Saudi Arabia.



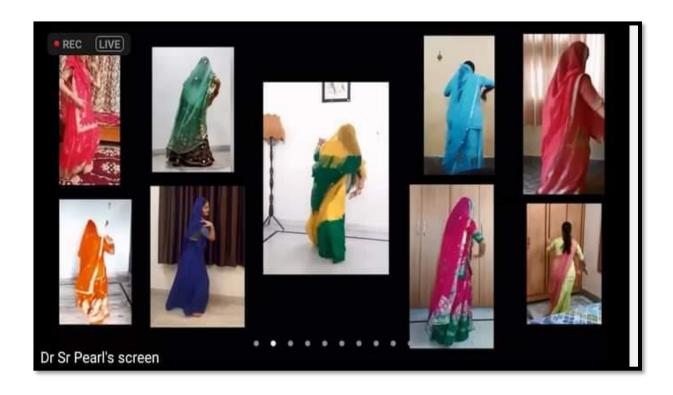


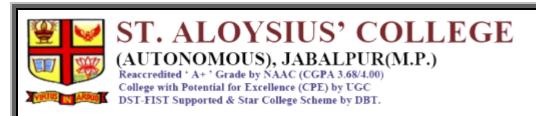


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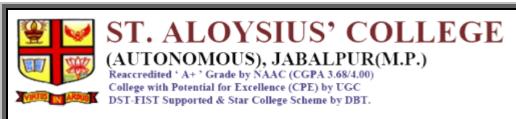


#### Ms. Neeti Sharma



#### Ms. Sheril Thomas



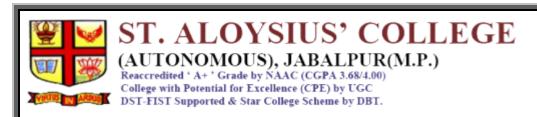


#### Ms. Gurbani Kaur Padam

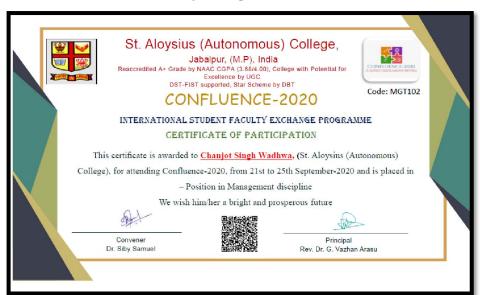


#### Ms. Garima Bajpai



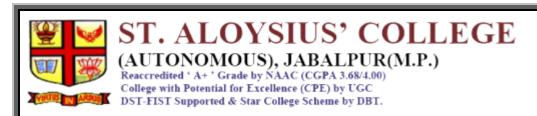


### **Chanjot Singh Wadhwa**



#### Ms. Ekta Sakesna



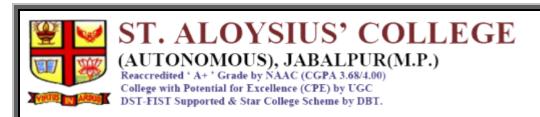


#### Hitesh Sadani



# Ms. Pranjali Verulkar



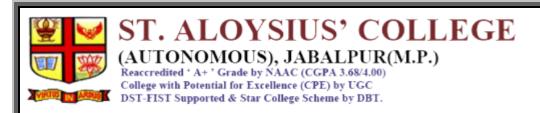


#### Mr. Tuhin Patel



# Ms. Simar Kapoor





# **CONFLUENCE -2020 Faculty Exchange Program**

Dr. Elena Philip



# St. Aloysius (Autonomous) College,

Jabalpur, (M.P), India Reaccredited A+ Grade by NAAC CGPA (3.68/4.00), College with Potential for Excellence by UGC DST-FIST supported, DBT star scheme



# CONFLUENCE-2020

INTERNATIONAL FACULTY STUDENT EXCHANGE PROGRAMME

21st to 25th September, 2020

#### CERTIFICATE OF COMMENDATION

This certificate is presented to

Dr. Elena Philip

of

St. Aloysius' College (Autonomous), Jabalpur

for sharing the valuable knowledge as a Resource Person for Conflunence-2020 for Arts discipline on the topic "Strategies for Revival of Economy:Post pandemic" which took place on 23.9.2020 and in recognition for a record of \_\_ accomplishments.

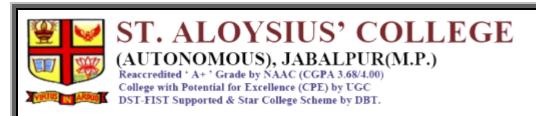
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Date: 05 October, 2020 Rev. Dr. G. Vazhan Arasu

Principal

M info@staloysiuscollege.ac.in

+917612620738



# Dr. Hepzibah B John



### St. Aloysius (Autonomous) College,



Jabalpur, (M.P), India
Reaccredited A+ Grade by NAAC CGPA (3.68/4.00),
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21st to 25th September, 2020

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This certificate is presented to

Dr. Hephzibah B John

of

St. Aloysius' College (Autonomous), Jabalpur

for sharing the valuable knowledge as a Resource Person for

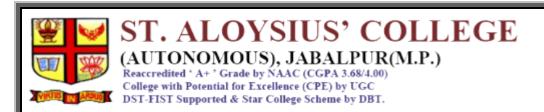
Conflunence-2020 for Arts discipline on the topic "E-Commerce"

which took place on 23.9.2020 and in recognition for a record of

accomplishments.

Date: 05 October, 2020

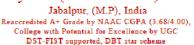
Rev. Dr. G. Vazhan Arasu



### **Dr. Siby Samuel**



# St. Aloysius (Autonomous) College,





# CONFLUENCE-2020

#### INTERNATIONAL FACULTY STUDENT EXCHANGE PROGRAMME

21st to 25th September, 2020

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This certificate is presented to

Dr. Siby Samuel

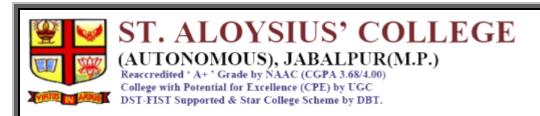
of

St. Aloysius' College (Autonomous), Jabalpur

for sharing the valuable knowledge as a Resource Person for Conflunence-2020 for Arts discipline on the topic "Trending analysis and Data Science" which took place on 23.9.2020 and in recognition for a record of OUTSTANDING accomplishments.

Date: 05 October, 2020

Rev. Dr. G. Vazhan Arasu



### Dr. Kallol Das



# St. Aloysius (Autonomous) College,



Jabalpur, (M.P), India Reaccredited A+ Grade by NAAC CGPA (3.68/4.00), College with Potential for Excellence by UGC DST-FIST supported, DBT star scheme

# CONFLUENCE-2020

#### INTERNATIONAL FACULTY STUDENT EXCHANGE PROGRAMME

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This certificate is presented to

Dr. Kallol Das

of

St. Aloysius' College (Autonomous), Jabalpur

for sharing the valuable knowledge as a Resource Person for

Confluence-2020 for Arts discipline on the topic "Mathematical

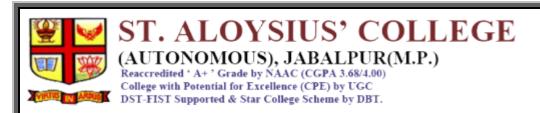
Modeling in the Physical Sciences" which took place on 23.9.2020

and in recognition for a record of \_\_accomplishments.

100

Date: 05 October, 2020

Rev. Dr. G. Vazhan Arasu



#### Dr. Shikha Bansal



# St. Aloysius (Autonomous) College,

Jabalpur, (M.P), India
Reaccredited A+ Grade by NAAC CGPA (3.68/4.00),
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DST-FIST supported, DBT star scheme



# CONFLUENCE-2020

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This certificate is presented to

Dr. Shikha Bansal

of

St. Aloysius' College (Autonomous), Jabalpur

for sharing the valuable knowledge as a Resource Person for

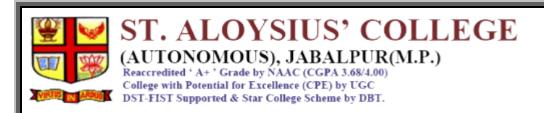
Conflunence-2020 for Arts discipline on the topic "Microbes and

Life" which took place on 23.9.2020 and in recognition for a record

of \_ accomplishments.

Date: 05 October, 2020

Rev. Dr. G. Vazhan Arasu



# Dr. Neelanjana Pathak



# St. Aloysius (Autonomous) College,

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of

St. Aloysius' College (Autonomous), Jabalpur

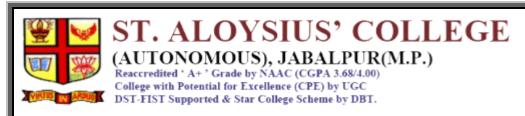
for sharing the valuable knowledge as a Resource Person for Conflunence-2020 for Arts discipline on the topic "Error Terror:

What it takes to not make mistakes in English Language Usage" which took place on 23.9.2020 and in recognition for a record of accomplishments.



Date: 05 October, 2020

Rev. Dr. G. Vazhan Arasu

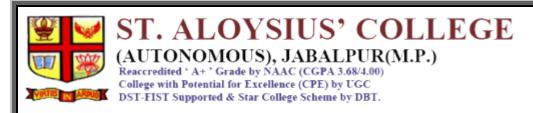


### **Online Faculty Development Programme**

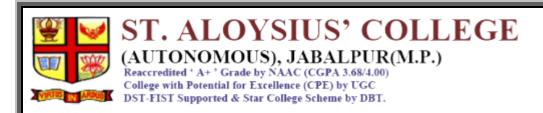
Five Days Online Faculty Development Programme 'Creatning Positive Work Culture: Strategy for Quality and Excellence' organised by IQAC Patna Women's College(Autonomous) Patna University in collaboartion with St. Aloysius College (Autonomous) Jabalpur on 22 to 27 June 2021. The FDP was an effort to provide the faculty members an effective platform for gaining insights about organisational work culture with managing work stress on one hand and adopting new normal teaching learning methodologies on the other.











# Webinar on Business Communication & Employability Skills- 22 January 2021

Department of Management St. Aloysius College (Auto), Jablapur organised a Webinar on Business Communication & Employability Skills in collaboration with Pune Institute of Business Management on 22 January 2021. Mr. Diniar Patel, Editor of Times of India was the resource person. The webinar was a platform for the students to develop essential skills and knowledge about to get success in the professional world and also enhance the effective communication and employability prospects.

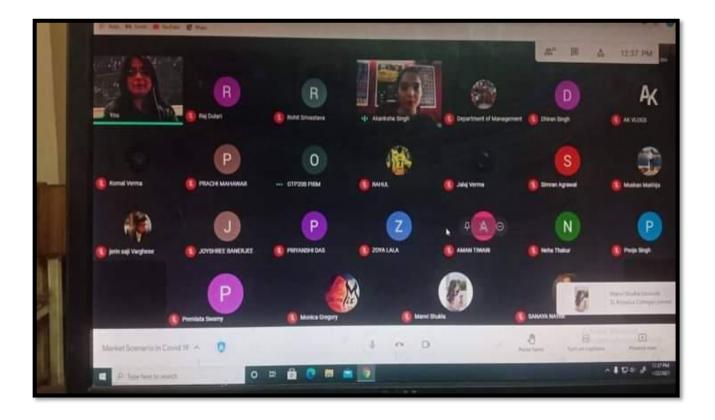


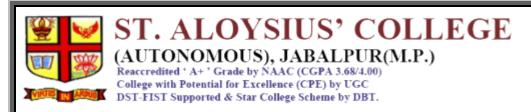


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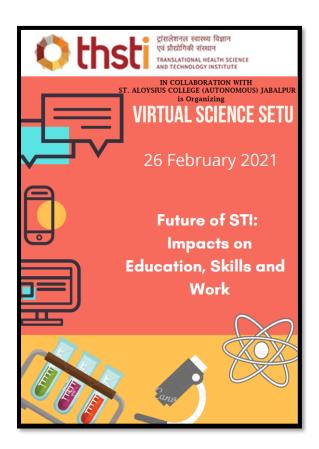
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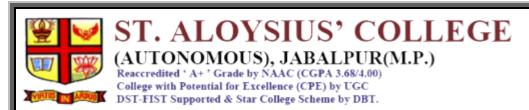


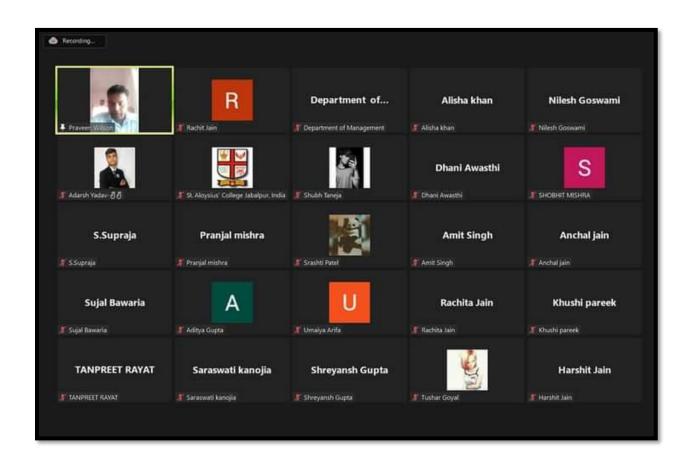
#### **Virtual Science Setu**

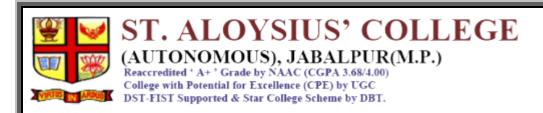
A Webinar was conducted on Future of STI: Impacts on Education, Skills and Works by Translational Health Science and Technology Institute in Collaboration with St. Aloysius College (Auto) Jabalpur on 26 February 2021. The session aimed to provide insights into emerging trends and skill development.



Program	n Schedule
1:00 PM	Welcome note Dr. Soma Patnaik
1:05 PM	Importance of science & its role in society and research opportunities Dr. Suchitra Devi Gopinath
1:25 PM	Advancements made in science Spl. focus: India Dr. Tarun Kumar Sharma
1:45 PM	Role of science in COVID era Spl. focus: India Dr. Niraj Kumar
2:00 PM	Address by Prof. Pramod K Garg, ED, THSTI
2:10 PM	Opportunities for youngsters at THSTI for higher studies and research Dr. Susmita Chaudhuri
2:30 PM	Product development & Entrepreneurships at THSTI Dr. Niraj Kumar, Dr. Tarun Kumar Sharma & Dr. Chandresh Sharma
3:00 PM	Virtual lab tour
3:30 PM	Q & A session

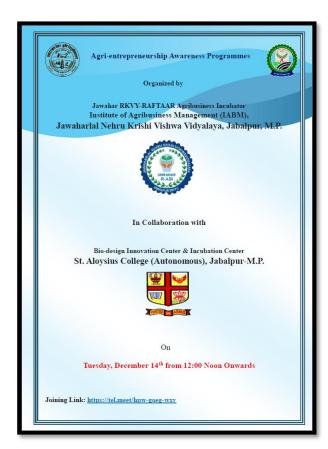


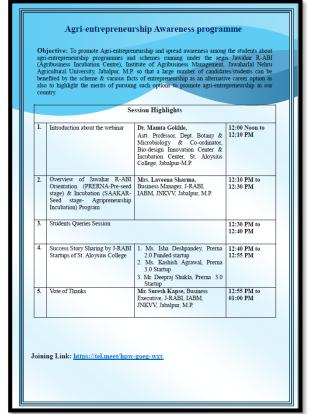




### Agri-EntreprenuershipAwareness Programme

An Agri-Entreprenuership Awareness Programme was organised by Jawaahar RKVY-RAFTAAR Agribusiness Incubator Institute of Agribusiness Management (IABM), Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur in collaboration with Bio-Design Innovation Centre and Incubation Centre St. Aloysius Colle Autonomous Jabalpur on 14 December 2020. The students benefited by the scheme and various facts of entreprenuership as an alternative career option.





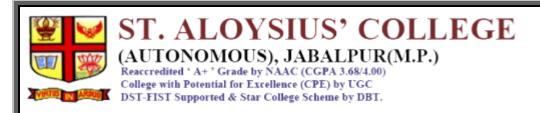


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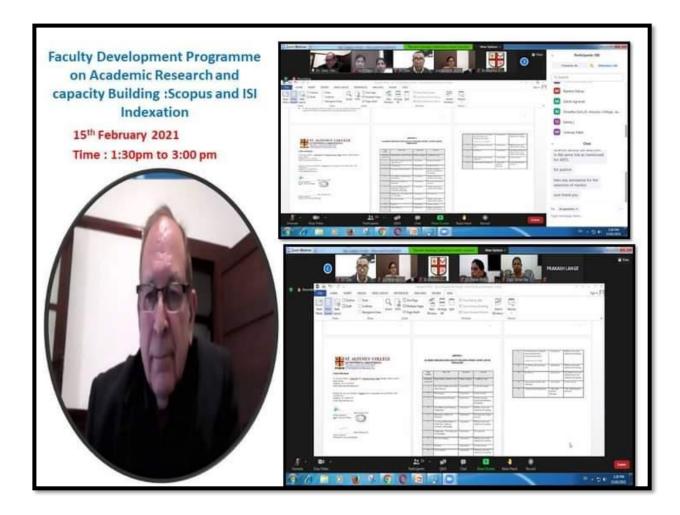
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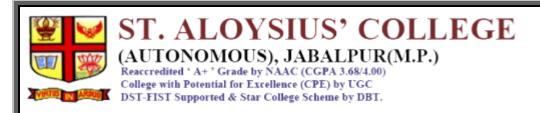




# Academic Research and Capacity Building: Scopus and ISI Indexation

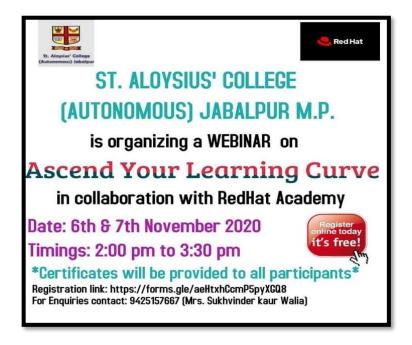
Faculty Development Programme on Academic Research and Capacity Building: Scopus and ISI Indexation was organized for transferring a technology, for research expertise, in the field of international research scholarly Publications. 20 teachers attended the event. The resource person was Gary I. Lilinthal, Professor, Tashkent State University of Law, Uzbekistan

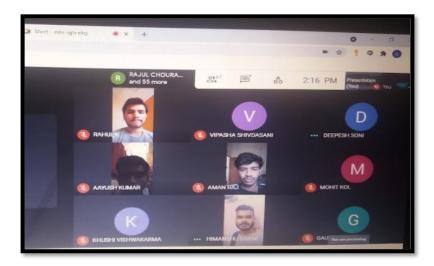


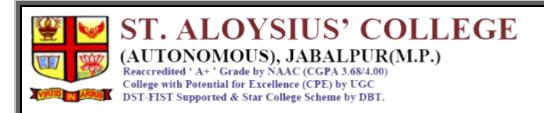


# Webinar on Ascend your Learning Curve in Collaboration with RedHat Academy

One day webinar on "Ascend your Learning Curve" was organized by the department in collaboration with Red Hat Academy on 6 November 2020. Resource person for the webinar was Mr. Chandrashekhar Shukla.67 students benefitted with the webinar.

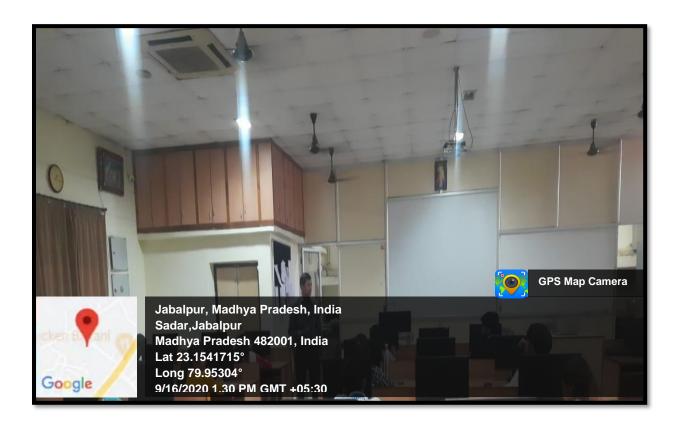


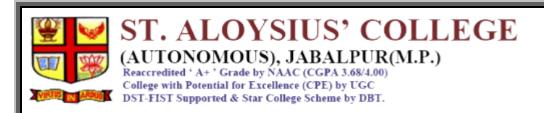




#### **Certificate Course**

In the academic session 2020-2021 Red Hat certificate Course was organized by Department of Computer Science and Applications. Under this the beneficiaries for the course were undergraduate and postgraduate students of the institution. Two batches were there for the course. Duration for the first Batch-I was from 14 September 2020 to 9 October 2020 and second Batch-2 was from 19 October to 13 November 2020.





### **Om Gupta**



Institute of Management Accountants

Certificate of Achievement

For participating in

2021 Student Case Competition Finals

Proceeded to

Om Gupta

St. Aloysius College

Juffla C. Thomson.

Jeffrey C. Thomson, CMA, CSCA, CAE

Raef Lawson, Pirth, CMA, CSCA, CPA, CFA
Vice Precident, Research & Policy and Professor-in-Resident

#### **Devansh Gulabwani**



Institute of Management Accountants

Certificate of Achievement

For participating in
2021 Student Case Competition Finals
Proceeded to
Devansh Gulabwani
St. Aloysius College

Juffla, C. Thomass.

Jeffrey C. Thomason, CMA, CSCA, CAE

IMA Previolent & CFO

Raef Lawson, Pard., CMA, CSCA, CPA, CFA
Vice President, Research & Policy and Professor-in-Residence

#### Shrishti Chadda



Institute of Management Accountants

Certificate of Achievement

For participating in 2021 Student Case Competition Finals Proceeded to Srishti Chadda St. Aloysius College

Jaffica C. Homoco\_ Jeffrey C. Thomson, CMA, CSCA, CAE BMA President & CEO

Raef Lawson, Ph.D., CMA, CSCA, CPA, CFA Vice President, Research & Policy and Professor-in-Residence

#### Avantika Shukla



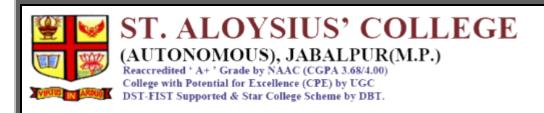
Institute of Management Accountants

Certificate of Achievement

For participating in 2021 Student Case Competition Finals Presented to

Avantika Shukla St. Aloysius College

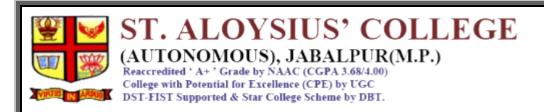
Roef Lawson, PhD., CMA, CSCA, CPA, CFA
Vice President, Research & Policy and Professor-in-Residence



#### **Certificate Course**

Department of Commerce conducted Add-on Certificate Program in Banking, Finance and Insurance (CPBFI) in collaboration with Bajaj Finserv was held on 23rd November 2020.

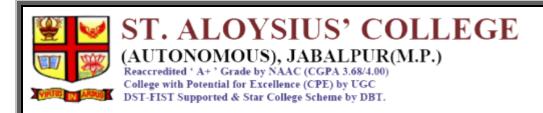




# **Global Understanding Programme**

St. Aloysius College (auto) Jabalpur organized Global Understanding Programme in collaboration with East Carolina University. Through this virtual platform, the college conducted student exchange programme with Russia, China and USA.





# Webinar on "Decoding the mind-body connection of Women in India"

One day Webinar on "Decoding the mind-body connection of Women in India" Organized by Women Cell, St. Aloysius College (Autonomous), Jabalpur, M.P. in collaboration with Sarvpriye Foundation, New Delhi on 16th January, 2021.



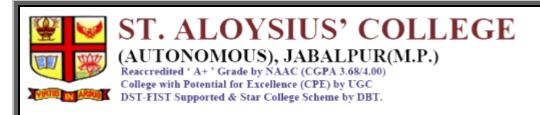


# ST. ALOYSIUS' COLLEGE

(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.



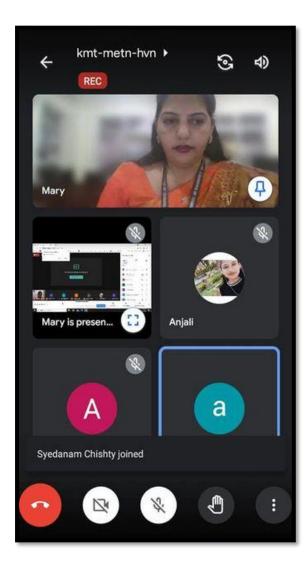


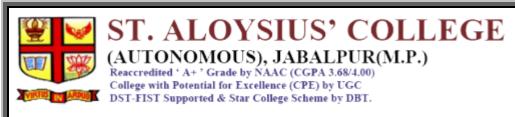


# **Faculty Exchange Program**

Faculty Exchange Programme between Sophia Girls College Ajmer, & St. Aloysius College-Resource person Dr. Mary Raymer date 4th and 5th June 2021.

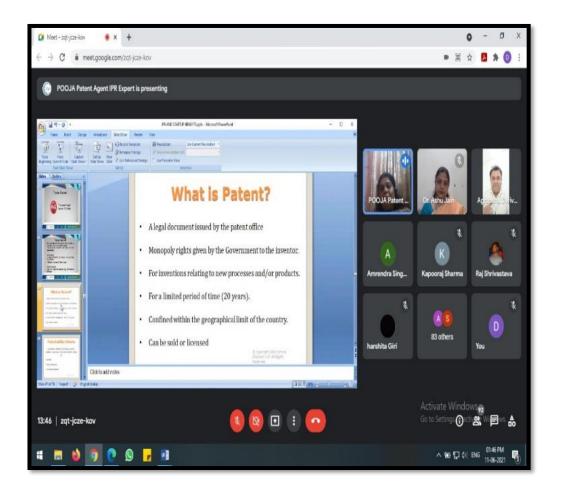


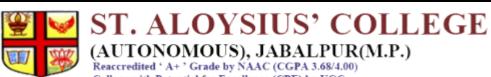




# "YESS- Young Entrepreneurs to Start-up Stars (A Beginning)"

Three Days Program "YESS- Young Entrepreneurs to Start-up Stars (A Beginning)" conducted by ED cell in Collaboration with Jabalpur Incubation Center on 10, 11 and 12th June 2021. More than 100 students of U.G have participated. The aim of YESS program was to spread awareness about innovation and Patenting. Key speakers were- Ms. Preeti Singh, Director on MNC Boards and POSH Committees lead, on the topic 'All you need to know about Start-ups and Latest Trends in Startup Industry, Ms. Pooja Kumar, Director, Innovative Intellects & IPR Expert, on the topic 'Importance of IPR for Startups and research associates' and Mr. Agranshu Dwivedi, Incubation Manager, Jabalpur Smart City Incubation Center, called for innovative ideas from students. 10 Innovative Ideas were presented out of which 2 ideas of Mr. Rovin Singh from B.B.A. and Mr. Pratham Naidu from B.Com. have been selected for further guidance, mentoring and funding.





College with Potential for Excellence (CPE) by UGC
DST-FIST Supported & Star College Scheme by DBT.

