

**LOYOLA ACADEMY  
DEPARTMENT OF BIOTECHNOLOGY**

**Activity Report 2020-21**

<b>YEAR</b>	<b>DATE</b>	<b>TITLE</b>
2020-21	27 <sup>TH</sup> & 28 <sup>TH</sup> MAY 2021	FDP-IN SILICO DRUG DEVELOPMENT
	5 <sup>TH</sup> SEPTEMBER 2021	ECO-FRIDENDLY GANESH IDOL MAKING
	28 <sup>TH</sup> & 29 <sup>TH</sup> OCTOBER 2021	LAB-X-2021 “TWO DAY NATIONAL SEMINAR”
	06-11-21	PTM
	22-01-22	Pre-BOS
	08-02-22	BOS

## **MENTORING**

- ❖ Since admissions are through ENTRANCE EXAMINATIONS, Depending on the strength of the class about 15-20 students are allotted for each faculty to follow their progress and offer career guidance.

**Teacher-Student Ratio = 1: 20**

## **PROGRAMMES FOR SLOW LEARNERS**

- ❖ The weak students in academics are given special focus, by organizing remedial classes to enable the slow learners to identify the area where they must lay extra emphasis, so that their performance is at the same pedestal as that of other students in the class.

## **PROGRAMMES FOR ADVANCE LEARNERS**

- ❖ Mini Research Projects
- ❖ Participation in competitions conducted by other colleges
- ❖ Training on writing projects or project proposals, research papers and publishing depending on student interest.

## **PLACEMENTS**

**Number of outgoing students placed year wise during last five years (on & off campus)**

<b>YEAR</b>	<b>PLACEMENTS</b>	
	<b>ONCAMPUS</b>	<b>OFFCAMPUS</b>
2016-17	5	-
2017-18	8	-
2018-19	7	-
2019-20	7	1
2020-21	-	4

**LOYOLA ACADEMY  
DEPARTMENT OF BIOTECHNOLOGY**

**HIGHER EDUCATION**

**Number of outgoing students progressing to higher education**

YEAR	2016-17	2017-18	2018-19	2019-20	2020-21
NUMBER	<b>30</b>	<b>21</b>	<b>25</b>	<b>19</b>	<b>30</b>

\*Placement and higher education data may not be exhaustive. There may be very higher than the shown numbers.

**Parent-Teacher-Meeting (PTM):** will be organized every semester to make aware of the performance of their ward to parents. It is like a three-way process where parent, student and teacher will try to discuss and address the academic issues.

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**LAB-X**

**(Loyola Academy Biotechnology - Extravaganza)**

- ❖ The department of B.Sc Biotechnology, Genetics and Chemistry has conducted LAB-X fest on **28th and 29th of October 2021** as a part of the curriculum.
- ❖ LAB-X initiative taken by Rev.Fr.Dr. L. Joji Reddy.
- ❖ It is a two day National seminar with multiple cultural events. It has given the students a platform to unveil their talents in both technical and cultural events.
- ❖ We were honoured to have our renowned resource persons/ speakers to impart us their technical knowledge.
  - Dr. Krishnaveni Mishra from Dept. of Biochemistry,Osmania University.
  - Prof. M.V Jagannadham from School of Life Sciences,H.C.U.
  - Dr. Anamika Bhargava,Associate Professor from Dept. of Biotechnology, IIT.

- Dr. A.Sandhya, from Dept. of Genetics,Osmania University.
- Dr. A.Venkateshwari, Director, Institute of Genetics,Hyderabad.
- ❖ Shared their valuable knowledge and enlightened students with their thoughts. Students have experienced a plethora of cultural events which were a feast to their eyes.
- ❖ The opening ceremony began with a prayer song, welcome dance,followed by felicitation of the guests of honour by the correspondent & Principal.
- ❖ Department Cultural/Activities Committee members performed Dance & singing.The college band - “THIS VISION” excited students with their lightening energy and rocking performance.
- ❖ Competitions like Quiz,poster making, pictionary and face painting were organized & the awards were given to the winners in the valedictory ceremony.
- ❖
- ❖ LAB-X 2021 fest video: [CLICK HERE](#)

❖ PICTURES:-







**LOYOLA ACADEMY  
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**STAFF ACTIVITIES**  
(Seminars/ FDP's/ Webinars/Trainings/Workshops)

Our faculty members have participated in various seminars, webinars quizzes, workshops, and FDPs. Details of these participations are as follows:

NAME OF THE FACULTY	NAME OF THE EVENT	PLACE /ORGANIZER	YEAR	LEVEL /PRESENTATION/ PARTICIPATION	CATEGORY
DR.P.SURESH KUMAR	INSILICO STUDIES ON MOLECULAR MODELLING AND COMPARATIVE DOCKING A RESOURCE PERSON	OSMANIA UNIVERSITY	2021	STATE/PARTICIPATION	WORKSHOP
	EMERGING TRENDS IN SYNTHESIS OF NANO PARTICLES IN AGRIBIOTECHNOLOGY RESEARCH AND COMMERCIALIZATION	OSMANIA UNIVERSITY	2021	INTERNATIONAL/ PARTICIPATION	CONFERENCE
	GREEN CHEMISTRY FOR SUSTAINABLE DEVELOPMENT ISSUES,CHALLENGES AND PROSPECTS	-	2021	INTERNATIONAL/ PARTICIPATION	SEMINAR
	FACULTY DEVELOPMENT PROGRAMME & MOLECULAR TECHNIQUES IS A HANDS ON TRAINING WORKSHOP	ORGANIZED JOINTLY BY DEPT OF BIOTECHNOLOGY AND AGRICULTURAL SCIENCE IN COLLABORATION WITH HIMEDIA SOLUTIONS	2020	PARTICIPATION	FDP/ WORKSHOP

	BIOINFORMATICS ON THE TOPICS OF MOLECULAR MODELLING	LOYOLA	2018	PARTICIPATION	WORKSHOP
Dr.T.SUCHITRA NAIDU	SYMPOSIA II ON "IBC IMPLEMENTATION REVISITED: ISSUES, CHALLENGES & IMPLICATIONS"	ST.PIOUS X P.G.(MBA) COLLEGE FOR WOMEN/ HYDERABAD	30 <sup>TH</sup> OCT 2021	PARTICIPATION	SEMINAR
	RELEVANCE OF OUTCOME BASED EDUCATION IN TEACHING, LEARNING & EVALUATION FOR SOCIAL SCIENCES	INDIAN INSTITUTE OF MANAGEMENT & COMMERCE	2021	NATIONAL/ PARTICIPATION	FDP
	EMOTIONAL WELL BEING & MENTAL HEALTH CARE & INTERVENTIONS	ORGANISATION FOR SOCIAL & CULTURAL AWARENESS (OSCA)/ NEW DELHI.	2021	PARTICIPATION	WORKSHOP
	INTERDISCIPLINARY/TRANSDISCIPLINARY CRITICAL THINKING	ST. JOSEPH UNIVERSITY/ NAGALAND	2021	NATIONAL/PARTICIPATION	WEBINAR
	ENHANCED RESEARCH AWARENESS THROUGH VARIOUS FUNDING SCHEME	ANNA UNIVERSITY/ TAMIL NADU	16 <sup>TH</sup> OCT 2021	PARTICIPATION	FDP
	RECENT TRENDS IN TRANSFORMING LIFE-SCIENCES: FOCUS ON ACADEMIA & INDUSTRY SYMBIOSIS	OSMANIA UNIVERSITY, HYDERABAD	13 <sup>TH</sup> - 19 <sup>TH</sup> SEP- 2021	PARTICIPATION	FDP
	RESEARCH INNOVATION, INCUBATION, ENTREPRENEURSHIP, AND STARTUPS ON CAMPUS	LOYOLA ACADEMY-IQAC & TASK(GOVT.OF TELANGANA)	2021	PARTICIPATION	WORKSHOP
	INNOVATIVE RESEARCH TECHNIQUES	IQAC-LOYOLA ACADEMY/ HYDERABAD	2021	INTERNATIONAL/ PARTICIPATION	FDP

	IN SILICO DRUG DEVELOPMENT	LOYOLA ACADEMY	2021	PARTICIPATION	FDP
	ROLE OF ACADEMIC INSTITUTIONS IN COMMUNITY SERVICE	ATAL & AYYA NADAR JANAKI AMMAL COLLEGE	2021	PARTICIPATION	WORKSHOP
	CONCLAVE ON GENETIC COUNSELLING	AURORA COLLEGE/ HYDERABAD	2020	NATIONAL/ PARTICIPATION	-
	GIVE WINGS TO YOUR STRESS	BALAJI COLLEGE/ WARRANGAL	2020	PARTICIPATION	WEBINAR
	HOW TO BUILD STRONG IMMUNITY THROUGH DIET AND LIFESTYLE	AURORA COLLEGE/ HYDERABAD	2020	PARTICIPATION	WEBINAR
	CLIMATE CHANGE AND FOOD SYSTEMS	METHODIST COLLEGE	2020	PARTICIPATION	WEBINAR
	BIOTECHNOLOGY RESEARCH TO COMBAT COVID-19	RBVRR WOMEN'S COLLEGE/ HYDERABAD	2020	PARTICIPATION	WEBINAR
	POST COVID CHALLENGES TO HUMAN BEINGS	PITHAPUR RAJAH'S GOVERNMENT COLLEGE/ KAKINADA.	2020	PARTICIPATION	WEBINAR
	PROTEOMICS - BIOLOGICAL APPLICATIONS	LOYOLA ACADEMY/HYD ERABAD	2020	PARTICIPATION	WEBINAR
	ADVANCED RESEARCH METHODOLOGY & INNOVATIVE TEACHING PEDAGOGY	TULSIRAMJI GAIKWAD PATIL COLLEGE OF ENGINEERING AND TECHNOLOGY/ NAGPUR.	2020	PARTICIPATION	FDP
	REVERSE GENETICS IN GENOMIC ERA	AV COLLEGE/ HYDERABAD	7 <sup>TH</sup> JUNE 2020	PARTICIPATION	WEBINAR

	RELEVANCE OF OUTCOME BASED EDUCATION IN TEACHING, LEARNING & EVALUATION FOR SOCIAL SCIENCES	IIMC/ HYDERBAD	27 <sup>TH</sup> & 28 <sup>TH</sup> OCT 2021	PARTICIPATION	FDP
	CONCLAVE ON GENETIC COUNSELLING	AURORA'S DEGREE & PG COLLEGE/ HYDERABAD.	18 <sup>TH</sup> JUNE 2020	PARTICIPATION	-
	AWARENESS RALLY ON THE COVID 2019 IN THE NEIGHBOURHOOD AREA OF ALWAL	LOYOLA ACADEMY	2020	PARTICIPATION	-
	RESEARCH SKILL DEVELOPMENT	LITTLE FLOWER DEGREE COLLEGE/ HYDERABAD	2019	PARTICIPATION	FDP
	CURRENT STATUS AND FUTURE PROSPECTS OF BIOTECHNOLOGY	NIZAM COLLEGE/ HYDERABAD	2019	NATIONAL/ PARTICIPATION	CONFERENCE
	MOLECULAR MODELLING & DRUG DESIGNING	LOYOLA ACADEMY	2019	PARTICIPATION	WORKSHOP
	INNOVATIONS IN BIOTECHNOLOGY	LOYOLA ACADEMY	2019	PARTICIPATION	SEMINAR
	AWARENESS CAMP ON SINGLE USE PLASTIC IN THE ADOPTED VILLAGES	LOYOLA ACADEMY	2019	PARTICIPATION	-
	INTEGRATED INTERNATIONAL IMMERSION CONFERENCE	LOYOLA ACADEMY/ HYDERABAD	2018	PARTICIPATION	CONFERENCE
N.KAVITHA	ENHANCEMENT IN HIGHER EDUCATION INSTITUTIONS- FUTURE VERSION	ST.ANN'S COLLEGE, HYD	2020	PARTICIPATION	FDP
	SIGNALLING NETWORKS IN CANCERS	LITTLE FLOWER COLLEGE, HYD	2020	PARTICIPATION	WEBINAR

	RESPONSIBLE USE OF MEDICINES	ST FRANCIS COLLEGE, HYD	2020	PARTICIPATION	WEBINAR
	ETHICAL HACKING	AURORA COLLEGE, HYD	2020	PRATICIPATION	WEBINAR
	TOOLS AND TECHNIQUES OF PROFESSIONAL DEVELOPMENT IN TEACHNOLOGY	LITTLE FLOWER COLLEGE, HYD	2020	PARTICIPATION	WEBINAR
MADHURI LATHA	RESEARCH INNOVATION, INCUBATION, ENTREPRENEURSHIP, AND STARTUPS	LOYOLA	2021	PARTICIPATION	WORKSHOP
	RECENT TRENDS IN TRANSFORMING LIFE-SCIENCES: FOCUS ON ACADEMIA & INDUSTRY SYMBIOSIS	NIZAM & GOVT CITY COLLEGE, HYD	2021	INTERNATIONAL/PARTICIPATION	FDP
	IN SILICO DRUG DEVELOPMENT	LOYOLA ACADEMY	2021	PARTICIPATION	FDP
	ONLINE FACULTY INDUCTION TRAINING/ORIENTATION PROGRAMME	GOVT CITY COLLEGE	2021	PARTICIPATION	FDP
	INNOVATIVE RESEARCH TECHNIQUES	LOYOLA-IQAC & RESEARCH COMMITTEE/HYDERABAD	2021	PARTICIPATION	FDP
	MOODLE LMS	SANATAN DHARMA COLLEGE/HARYANA	2021	PARTICIPATED & SECURED A GRADE	SEMINAR
	ADVANCED RESEARCH METHODOLOGY & INNOVATIVE TEACHING PEDAGOGY	TULSIRAMJI GAIKWAD PATIL COLLEGE OF ENGINEERING AND TECHNOLOGY/NAGPUR	2020	PARTICIPATED	FDP
	HOW TO BUILD STRONG IMMUNITY THROUGH DIET AND LIFESTYLE	AURORA COLLEGE/HYDERABAD	2020	PARTICIPATION	WEBINAR

	REVERSE GENETICS IN GENOMIC ERA	A.V COLLEGE/ HYDERABAD	2020	PARTICIPATION	WEBINAR
	CLIMATE CHANGE AND FOOD SYSTEMS	METHODIST COLLEGE/ HYDERABAD	2020	PARTICIPATION	WEBINAR
	PROTEOMICS -BIOLOGICAL APPLICATIONS	LOYOLA ACADEMY	2020	NATIONAL/ PARTICIPATION	WEBINAR
	POST COVID CHALLENGES TO HUMAN BEINGS	PITHAPUR RAJAH'S GOVERNMENT COLLEGE/ KAKINADA	2020	INTERNATIONAL/ PARTICIPATED	WEBINAR
	ONLINE CONCLAVE GENETIC COUNSELLING	AURORA COLLEGE, HYDERABAD	2020	NATIONAL/ PARTICIPATION	-
	EPIGENETIC REGULATION OF HIV MEDIATED INFLAMMATION & ASSAY TECHNIQUES & TESTS FOR COVID 19-DIAGNOSIS.	SRI AKILANDESWARI COLLEGE	2020	INTERNATIONAL/ PRESENTATION & PARTICIPATION	WEBINAR
	GIVE WINGS TO YOUR STRESS	BALAJI COLLEGE, WARRANGAL	2020	PARTICIPATION	WEBINAR
	BIOTECHNOLOGY RESEARCH TO COMBAT COVID-19	RBVRR COLLEGE/ HYDERABAD	2020	PARTICIPATION	WEBINAR
	INNOVATIONS IN BIOTECHNOLOGY	LOYOLA ACADEMY/ HYDERABAD	2019	NATIONAL/ PARTICIPATION	SEMINAR
	RESEARCH SKILL DEVELOPMEN	LITTLE FLOWERS/ HYDERABAD	2019	PARTICIPATION	FDP
	MOLECULAR MODELLING & DRUG DESIGNING IN THE BIOINFORMATICS LABORATORY	LOYOLA ACADEMY/ HYDERABAD	2019	PARTICIPATION	WORKSHOP
	CURRENT STATUS AND FUTURE PROSPECTS OF BIOTECHNOLOGY	NIZAM COLLEGE/ HYDERABAD	2019	PARTICIPATION	CONFERENCE

## GUEST LECTURES & Training

### ❖ **Dr.T.SUCHITRA NAIDU**

- Delivered a lecture on, “Basics in Plant Biotechnology” for III year Biotechnology Students on November 18, 2021 at Raja Bahadur Venkata Rama Reddy Women’s College, Narayanaguda, Hyderabad.
- Delivered a lecture in a webinar titled, “Food Safety & Quality Control” on the topic, “ Food Safety with respect to Consumption (House & commercial food courts)” on 10th March, 2021 through online mode organized by Institute of Forest Biodiversity, Hyderabad, Dulapally village, Link road between Kompally and Bahadurpally Village, Suraram, Hyderabad, Telangana 500014, India.
- Delivered a lecture in a webinar titled, “Food Safety & quality control” on the topic, “Future of food” on 11th March, 2021 through online mode organized by Institute of Forest Biodiversity, Hyderabad, Dulapally village, Link road between Kompally and Bahadurpally Village, Suraram, Hyderabad, Telangana 500014, India.
- Attended a two day offline training on mushroom cultivation from November 13th & 14th 2021, at NIRD&PR, Rajendra Nagar, Hyderabad
- Participated and secured ‘A’ GRADE in One Month Online Faculty Induction Training/Orientation Programme on April 16 - May 15, 2021, under the Ministry of Education sponsored Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMNMTT). The Programme is being organised in collaboration with Government Degree College, Poonch, Jammu and Kashmir; Sibsagar Girls' College, Sivasagar, Assam; Ajintha Education Society's Pandit Jawharlal Nehru Mahavidyalaya, Aurangabad, Maharashtra.

### ❖ **MADHURI LATHA**

- Delivered a lecture in a webinar on topic Food Safety with respect to primary production & Consumption Process, on 10th March, 2021 through online mode organized by Institute of Forest Biodiversity, Hyderabad, Dulapally village, Link road between Kompally and Bahadurpally Village, Suraram, Hyderabad, Telangana 500014, India.

- Delivered a lecture on Genome Organization and Transposable elements for II year biotechnology students in our college, RAJA BAHADUR VENKATA RAMA REDDY WOMEN'S COLLEGE, Hyderabad, on Feb 5th ,2020.
- Attended a two day Offline training on Mushroom Cultivation from November 13 & 14, 2021, at NIRD & PR , Rajendra Nagar, Hyderabad.
- Participated and secured 'A' GRADE in One Month Online Faculty Induction Training/Orientation Programme on April 16 - May 15, 2021, under the Ministry of Education sponsored Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT). The Programme is being organised in collaboration with Government Degree College, Poonch, Jammu and Kashmir; Sibsagar Girls' College, Sivasagar, Assam; Ajintha Education Society's Pandit Jawharlal Nehru Mahavidyalaya, Aurangabad, Maharashtra.

## STUDENT ACTIVITIES

Many of our students have registered and completed various courses offered by NPTEL/Coursera / Short-term courses etc. Those details are as follows:

UID NUMBER	NAME OF THE STUDENT	COURSE TITLE	COURSE PLATFORM	COURSE COMPLETION DATE/YEAR
111719018001	AISHWARIYA JENA	CELLBIOLOGY/ FIRST STEP IN KOREAN	NPTEL/ COURSERA	2020
111719018002	AMRUTHA KUMARI	DRUG DEVELOPMENT	COURSERA	2020
111719018004	ANJALI SHAKYA	DRUG DEVELOPMENT	COURSERA	2020
111719018005	ANJANA P	COVID-19 CONTACT TRACING	COURSERA	2020
111719018006	ANSHIKA MISHRA	DRUG DEVELOPMENT	COURSERA	2020
111719018007	ARPULA KIRANMAYI	DRUG DEVELOPMENT	COURSERA	2020
111719018008	ASAWIRA	DRUG DEVELOPMENT	COURSERA	2020
111719018009	ASHELY JOIN	DRUG DISCOVERY	COURSERA	2020

111719018010	A.VAISHNAVI	DRUG DEVELOPMENT	COURSERA	2020
111719018011	RITHIKA YADAV	COVID-19 CONTACT TRACING	COURSERA	2020
111719018012	SWATHI CHOWDARY	DRUG DISCOVERY	COURSERA	2020
111719018013	C. RENUKA	DRUG DEVELOPMENT	COURSERA	2020
111719018014	CRYSTAL ANN ALVER	DRUG DEVELOPMENT	COURSERA	2020
111719018015	DEVA RANJITH	DRUG DEVELOPMENT	COURSERA	2020
111719018016	G.SUPRIYA	DRUG DEVELOPMENT	COURSERA	2020
111719018017	SHEKINAH	DRUG DEVELOPMENT	COURSERA	2020
111719018018	HIBAH AHMED	DRUG DISCOVERY	COURSERA	2020
111719018019	HIBA SHUJAT	DRUG DEVELOPMENT	COURSERA	2020
111719018020	ASHWINI.J	DRUG DISCOVERY	COURSERA	2020
111719018021	MEGHANA REDDY	DRUG DISCOVERY	COURSERA	2020
111719018023	K. SANDHYA	DRUG DEVELOPMENT	COURSERA	2020
111719018025	MERLYN JESSICA	DRUG DEVELOPMENT	COURSERA	2020
111719018026	M. RISHITHA REDDY	DRUG DEVELOPMENT	COURSERA	2020
111719018027	MUPPIDI TANMAYEE	INTRODUCTION TO THE BIOLOGY OF CANCER	COURSERA	2020
111719018028	NEHA SALETHUR	DRUG DEVELOPMENT	COURSERA	2020
111719018029	PRAGATI SINGH	DRUG DEVELOPMENT	COURSERA	2020
111719018030	R.SANJANA	DRUG DEVELOPMENT	COURSERA	2020
111719018031	DEEPSHIKHA	CELL CULTURE TECHNOLOGY/ INDUSTRIAL BIOTECHNOLOGY	NPTEL/ COURSERA	2020
111719018032	SHEREEN	DRUG DISCOVERY	COURSERA	2020

111719018033	S.KHUSHI JAIN	DRUG DISCOVERY	COURSERA	2020
111719018034	THADURISHIRI SHA	DRUG DEVELOPMENT	COURSERA	2020
111719018035	THRISHIKA POTAN	DRUG DEVELOPMENT	COURSERA	2020
111719018036	THUMMA ARCHANA REDDY	DRUG DEVELOPMENT	COURSERA	2020
111719018037	VAISHALI JAIN	DRUG DEVELOPMENT	COURSERA	2020
111719018038	VAISHNAVI SINGH	DRUG DEVELOPMENT	COURSERA	2020
111719018039	D. YASWANTH	DRUG DEVELOPMENT	COURSERA	2020
111719018040	KARAN DHOTE	DRUG DEVELOPMENT	COURSERA	2020
111719018041	FAIZAAN KHAN	DRUG DEVELOPMENT	COURSERA	2020
111719018043	KALLURU PREM	DRUG DEVELOPMENT	COURSERA	2020
111719018044	JABEZ AUGUSTINE	DRUG DEVELOPMENT	COURSERA	2020
111719018045	K. SAIVIKASREDDY	DRUG DEVELOPMENT	COURSERA	2020
		FUNDAMENTALS OF DIGITAL MARKETING	GOOGLE DIGITAL GARAGE	2020
		INTRODUCTION TO SERVER LESS NETWORK	AMAZON WEB SERVICES	2020
		PYTHON PROGRAMMING	COGNATIVE CLASS (IBM)	2020
111719018046	ROHAN KUMAR	DRUG DEVELOPMENT	COURSERA	2020
111719018047	SAI VARMA	DRUG DEVELOPMENT	COURSERA	2020
111719018048	P. RUDRA TEJA	DRUG DEVELOPMENT	COURSERA	2020
111719018049	S.SATISH BABU	DRUG DEVELOPMENT	COURSERA	2020
111719018051	YASHWANTH YERUKONDA	DRUG DEVELOPMENT	COURSERA	2020

111719018052	V. TEJESH	DRUG DEVELOPMENT	COURSERA	2020
111718018018	PRATHAPURAM DIVYASREE	DRUG DEVELOPMENT	COURSERA	2020
111718018038	MORRIS VICTOR	DRUG DEVELOPMENT	COURSERA	2020
111718018052	V.AISHWARYA	DRUG DEVELOPMENT	COURSERA	2020

## EXTRACURRICULAR ACTIVITES

All the students of our department are very active in various events

CLASS/ BATCH	UID NO.	NAME OF THE STUDENT	EVENT NAME	DATE / YEAR OF EVENT	LEVEL	ACHIEVEMENT S	ORGANISED/ ISSUED BY
<b>DBT/ 2019-22</b>	111719018045	K. SAI VIKAS REDDY	PRAKRITHI 2020	5 <sup>TH</sup> JUNE 2020	NATIONAL	PARTICIPATED	KASTHURBA GANDHI WOMENS COLLEGE
			E-FEST KURUKSHETRA	5 <sup>TH</sup> JUNE 2020	INTER- NATIONAL	OUTSTANDING CONTRIBUTION IN ORGANISING (Certificate of Appreciation)	LOYOLA ACADEMY
			ONLINE QUIZ	23 <sup>RD</sup> JUNE 2020	NATIONAL	CERTIFICATE OF EXCELLENCE	LITTLE FLOWER COLLEGE
			E-FEST KURUKSHETRA	5 <sup>TH</sup> JUNE 2020	NATIONAL	OUTSTANDING CONTRIBUTION IN ORGANISING (Letter of Appreciation)	LOYOLA ACADEMY
			AYAASA-- MANAGEMETN FEST	2020	NATIONAL	EXEMPLARY SKILLS SHOWN IN ORGANISING (Certificate of Appreciation)	LOYOLA ACADEMY
	LOYOLA ACADEMY- AWARD'S DAY	2020	COLLEGE	BEST STUDENT VOLUNTEER OF THE YEAR AWARD	LOYOLA ACADEMY		
	111719018009	ASHLEY JOHN	LOYOLA ACADEMY- AWARD'S DAY	2020	COLLEGE	BEST STUDENT VOLUNTEER OF THE YEAR AWARD	LOYOLA ACADEMY

			E-FEST KURUKSHETRA	5 <sup>TH</sup> JUNE 2020	NATIONAL	2 <sup>ND</sup> POSITION IN STORY WRITING	LOYOLA ACADEMY
			E-FEST KURUKSHETRA	5 <sup>TH</sup> JUNE 2020	NATIONAL	CONSOLIDATION PRIZE IN SOLO SINGING	LOYOLA ACADEMY
			ARTOL HOLIC-21	2019	INTRA COLLEGE	2 <sup>ND</sup> PRIZE IN FACE PAINTING	LOYOLA ACADEMY
	111718018029	PRAGATHI SINGH	SHISHYAS	2020	NATIONAL	SHORT FILM AWARD	ST.FRANCIS
			SHISHYAS	2020	NATIONAL	GOLDEN CAPE AWARD	ST.FRANCIS
	111718018018	DIVYA SREE	CREATIVE AWARENESS ON COVID-19	2020	STATE	PARTICIPATED	NSS LOYOLA ACADEMY
	111719018051	Y.YASWANTH	BIO ASIA 2020	2020	INTERNATIONAL	PARTICIPATED	GOVT OF TELANGANA
			TEDX	2018	-	PARTICIPATED	MAHINDRA ECOLE
<b>NBT/ 2020-23</b>	111720018026	SUSHMA RACHABANTI	LOYOLA-CLUBS DAY	2021	INTRA COLLEGE	1 <sup>ST</sup> PRIZE IN FOLK & SEMI CLASSICAL DANCE	LOYOLA ACADEMY
			RESONANCE	2021	INTRA COLLEGE	1 <sup>ST</sup> PRIZE IN WESTERN DANCE	LOYOLA ACADEMY
			INTRA MURAL SPORTS COMPETION	2022	INTRA COLLEGE	2 <sup>ND</sup> PRIZE IN BAMINTON	LOYOLA ACADEMY
	111720018004	DHAKSHAYANI	FIT INDIA COMPETITION	2021	INTRA COLLEGE	2 <sup>ND</sup> PRIZE IN RELAY	LOYOLA ACADEMY
	111720018010	KASHISH	FIT INDIA COMPETITION	2021	INTRA COLLEGE	2 <sup>ND</sup> PRIZE IN RELAY	LOYOLA ACADEMY
	111720018021	BHAVIKA	FOOD EXPO-21-QUIZZ	2021	INTRA COLLEGE	PARTICIPATION	LOYOLA ACADEMY
			RESONANCRE	2021	INTRA COLLEGE	2 <sup>ND</sup> PRIZE IN DEBATE	LOYOLA ACADEMY
	111720018032	NATHAN ROHAN	RESONANCE – DEBATE	2021	STATE	PARTICIPATED	LOYOLA ACADEMY
<b>ABT/ 2021-24</b>	111721018004	CH.ANUHYA	RESONANCE	2021	INTRA COLLEGE	1 <sup>ST</sup> PRIZE IN DRAMA	LOYOLA ACADEMY

			RESONANCE	2021	INTRA COLLEGE	2 <sup>ND</sup> PRIZE IN DEBATE	LOYOLA ACADEMY
			OSMANIA UNIVERSITY- CULTURAL FEST	2022	STATE	PARTICIPATED	OSMANIA UNIVERSITY
	111721018001	DEEPTHI RAM	KARATE CHAMPIONSHIP	2021	STATE & NATIONAL	1 <sup>ST</sup> PRIZE (GOLD MEDAL)	-
	111721018007	C.NITHYA HARSHITHA	YOUTH PARLIMENT	2021	STATE & NATIONAL	PARTICIPATED	NATIONAL CHILDREN SCIENCE CONGRESS (NCSC)
<b>DBT/ 2018-20</b>	111718018047	VIKESH SANDA	UBERTECH-21	21 <sup>st</sup> SEP 2021	NATIONAL	BEST ACTOR AWARD	SRM CHANNAI
	111718018043	TARUN KUMAR	SHISHYA – CULTURAL FEST	19 <sup>TH</sup> SEP2020	NATIONAL	1ST PRIZE IN SHORT FILM	ST.FRANCIS
			SHISHYA – CULTURAL FEST PHASE – 1	19 <sup>TH</sup> SEP2020	NATIONAL	PARTICIPATED	ST.FRANCIS
	111718018025	SHUBHIKSHA	SHISHYA – CULTURAL FEST - SOLO SINGING	19 <sup>TH</sup> SEP2020	NATIONAL	1ST PRIZE	ST.FRANCIS

## ENVIRONMENTAL ACTIVITIES

### ❖ **TREE PLANTATION (2020):**

- The students of B.Sc.biotechnology have organized an Environmental Awareness Program in the year 2020 called “TREE PLANTATION”, where all the students actively participated and showed high spirit to plant trees at home during tough times of the pandemic.

### ❖ **PURPOSE :**

- This program revealed the importance of plantation for the existence of life on earth.

### ❖ **REPORT :**

- When the whole world was suffering during the pandemic ,The 2<sup>nd</sup> year students of Biotechnology initiated an environmental program to create awareness about tree plantation this thought brought us close to nature and helped to realize the dreadful consequences of cutting down trees. So let's save the world by planting trees.

### ❖ **ECO-FRIENDLY GANESHA (2021) :**

- On the auspicious occasion of Ganesh Chaturthi , the students of B.Sc.Biotechnology initiated a small step to promote the use of eco-friendly Ganesha by making idols made up of soil, clay and turmeric.

### ❖ **PURPOSE :**

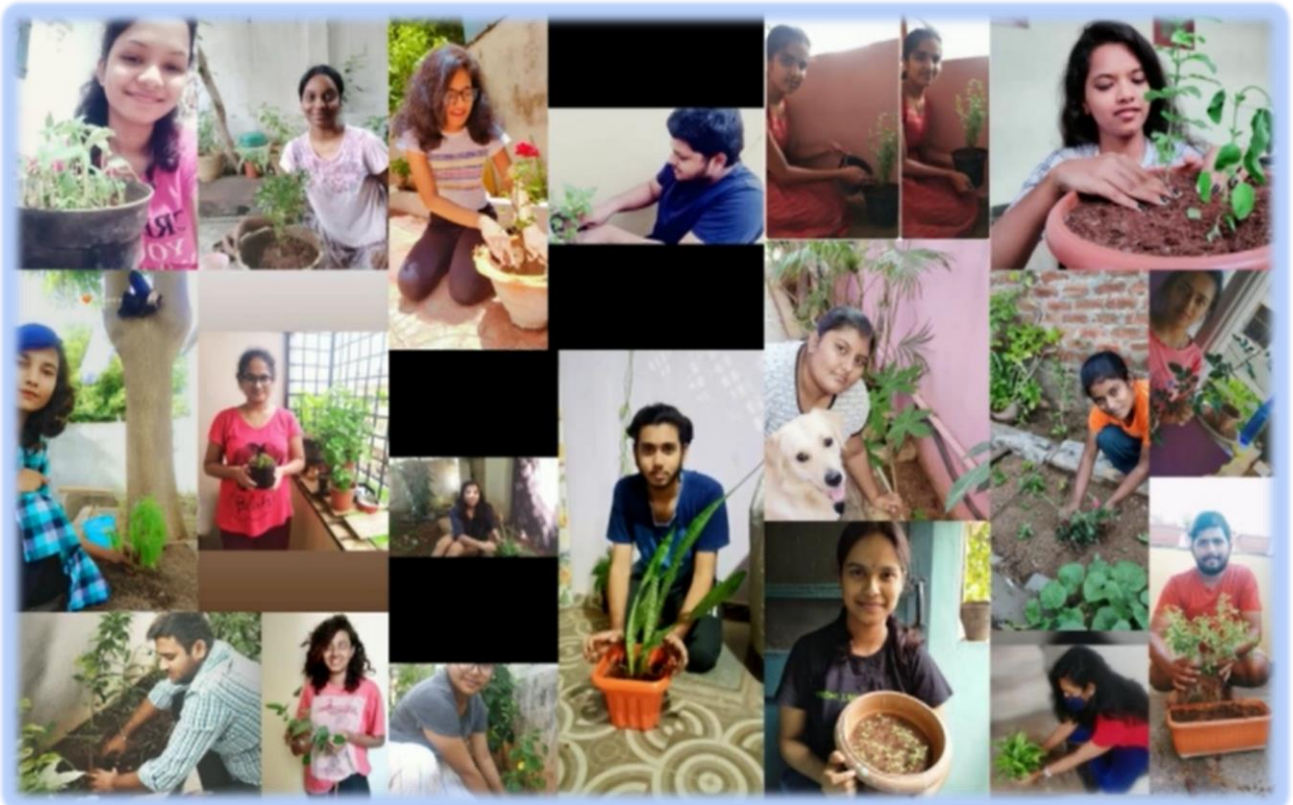
- To aware people about the adverse effects in the aquatic environment caused due to immersion of Ganesh idols made up of plaster of paris [POP] and promote the use of eco-friendly Ganesh idols.

### ❖ **REPORT :**

- The 2<sup>nd</sup> year students of Biotechnology department has promoted eco-friendly Ganesha in a beautiful and creative manner in their respective homes by making eco-friendly idols of Ganesh and worshipping them ensuring the safety of the water bodies during the occasion.

❖ For Environmental Activities Videos: [CLICK HERE](#)

❖ PICTURES:



## BOARD OF STUDIES

- ❖ Each Academic Department will have a Board of Studies. All academic matters like Introduction of a new Academic Programme, Revision of a programme / course, review of academic rules, etc. will be handled by the board of studies.





# Loyola Academy

Degree & PG College, Old Alwal, Hyderabad, TS.

*A Faculty Development Programme (FDP) On*

## **IN SILICO DRUG DEVELOPMENT**

27<sup>th</sup> -31<sup>st</sup> May, 2021 (9.30 Am to 11.30 Am) on Google Meet

Organized by

### **Department of Biotechnology**

Chief Patron

**Rev Fr Dr Pothireddy Anthony SJ ,**

Principal, LA

Resource Person

**Dr. Chikati. Rajasekhar**

Registration free: <https://forms.gle/XUffY3w3dCvZRDgn7>

#### **Major Course Contents:**

Databases- Swiss-port, EBI, RCSB, GenBank, KEGG etc.,

Sequence Analysis- Sequence Retrieval and Analysis

Molecular Modeling – Protein 3-D Structure and Validation, Optimization

Docking studies: Protein- Ligand Docking studies

**Maximum 50 participants only**, FDP Link will be sent to registered emails

E- Certificate will be provided

FDP Coordinator

Dr. P. Suresh

sureshkp6@gmail.com ,9701407475<sup>23</sup>

# WEBINAR

## WEBINAR ON PROTEOMICS AND BIOLOGICAL APPLICATIONS

- ❖ Department of B.Sc biotechnology conducted a webinar on **27 May 2020** at 10-11am by using GoTomeeting platform. Registrations for this seminar were done through google forms. No registration charges imposed.
- ❖ It's a free webinar for students, faculty and research fellows in the field of Biotechnology and allied sciences. The recourse person for the day was Dr.M.V. Jagannadam senior principal scientist, project leader CSIR-CCMB, Hyderabad.
- ❖ Dr.M.V. Jagannadam kicked off the talk explaining the basics to the advancements in the field of proteomics. This webinar indentured to highlight proteins for sustainable development in optimizing proteomics research& development.
- ❖ In addition to an overview of current landscape considerations for mass spectrometry sample handling and preparations were discussed. Emerging technologies and future directions for implementing commercialized proteomics workflows were also highlighted.
- ❖ Over 97 people registered and 56 were participated and after completion of webinar followed by interaction and vote of thanks by Dr.P.Suresh Kumar, HOD.
- ❖ Feedback taken through google forms which results in 54% excellenat,25% professional and 21% good.

## ❖ PICTURES:

The image shows a GoToMeeting window with a presentation slide titled "Ionization". The meeting interface includes a "GoToMeeting" logo, a "REC" indicator, and a "Talking: hp" status. The top bar shows "View Everyone" and a participant count of 42. The participant list at the bottom includes "hp", "Ankita nandi 02", "Karishma", "Nishivinaya", "Madhuri Adabala", and "Ch.Kavya".

### Ionization

Click and drag to move applications, ion sources convert neutral molecules to ions by adding or taking away one or more protons.

- Ions may be singly or multiply charged  $[M+2H]^{2+}$
- Ions are easier to control in the mass spectrometer than neutral molecules.
- Ions are detected in MS

$$M + H^+ \xrightarrow{h\nu} MH^+$$

Various methods of ionisation:

- Atmospheric Pressure Chemical Ionization (APCI)
- Chemical Ionization (CI)
- Electron Impact (EI)
- Electrospray Ionization (ESI)
- Fast Atom Bombardment (FAB)
- Matrix Assisted Laser Desorption/ Ionization (MALDI)
- Thermospray Ionization (TSP) etc

