



LOYOLA ACADEMY

(DEGREE & P.G COLLEGE)

(Autonomous and Affiliated to Osmania University)
Re-accredited with 'A' Grade (111 Cycle) by NAAC
A "College with Potential for Excellence" by UGC.



Vision:

To impart higher education with integral formation which involves academic excellence, spiritual growth, social commitment and value based leadership.

Mission:

It is to form “men and women for others” and mould our students as global citizens with competence, conscience and compassionate commitment. Special concern is shown towards the socially and economically underprivileged students.



Rev. Fr. Dr. L . Joji Reddy SJ
PRINCIPAL

Contact

ADMINISTRATIVE BLOCK

☎:- 0091-40-27862363, 27860077

Mail ID:- lacademyinformation@yahoo.in

Website:- <https://www.loyolaacademyugpg.ac.in/>

Youtube Channel:- Loyola Academy Hyderabad

Instagram Page:- Loyola Academy Hyderabad

ABOUT LOYOLA ACADEMY (DEGREE & PG COLEGE)

Loyola Academy (LA), a spacious eco-friendly campus with an excellent infrastructure, is managed and administered by the Catholic clergy, popularly called Jesuits of the Andhra Jesuit Province. They belong to the Society of Jesus (founded by St. Ignatius of Loyola), an International Catholic Religious Order.

LA was founded by Rev Fr T. Balaiah SJ in 1976 in Alwal, Secunderabad, Telangana. Initially, an Intermediate course and an Associate Diploma in Chemical Technology were offered. Subsequently upscaled to B.Sc. Chemical Technology in 1978 and PG programmes from 1993 were started. **LA was granted autonomous status in 1991 for Degree courses and PG courses in 2010.** Recognizing the achievements and qualitative pursuit of Higher Education needs, **UGC awarded Loyola Academy a special status of “A College with Potential for Excellence” (CPE) in the year 2006.**

In addition to this, **National Assessment and Accreditation Council (NAAC) accredited the college in the year 2005 and re-accredited in 2011 with an ‘A’ grade (3.50 out of 4.00 CGPA) and 2019 with an ‘A’ grade (3.20 out of 4.00 CGPA).** National Institutional Ranking Framework (NIRF) ranked our college between 100-150 for successive years, 2017-18, 2018-19, and 2019- 20.

The institute offers a unique, unrivaled array of Undergraduate and Postgraduate courses, imparting its students potential skills that are highly relevant in today’s market and aiming at molding young minds into extraordinary individuals, who love what they do, thereby enabling young men and women to master new concepts and emerge as confident professionals in their chosen domains.

LA applies the Ignatian Pedagogical Paradigm (IPP), i.e., Learning through Context, Experience, Reflection, Action, and Evaluation. The paradigm reminds faculty to build a reflective practice where students attempt to make meaning of their learning and then move into action on what they have learned and evaluate the success of the action to change their lives, by developing students' knowledge as well as skills, guiding them to grow in wisdom and harmony, nurturing in them a deep sense of right values, directing them in fostering healthy relationships, celebrating with the diverse forms of faiths and culture, thus enabling them to develop as holistic individuals.

ABOUT DEPARTMENT OF BIOTECHNOLOGY

Vision:

“To be a global leader in education, research, and extension activities in emerging fields of biological sciences and related fields”.

Mission:

“Training the researchers and innovators of tomorrow to become successful leaders in implementing biotechnological solutions”

Department of Biotechnology was set-up in Loyola Academy in the year 2001, beginning in the academic year of 2001-02, the Department of Biotechnology (UG) has been a fore-runner in the state in its field. It quickly became one of the more popular departments, in the Loyola Academy, because of the opportunities it provided to both its students and its faculty. B.Sc. Biotechnology (BT) course is a job & research oriented course which has a very good reputation since the last few years.

The faculty at Department of Biotechnology creates knowledge and ideas that develop understanding. The program has been devised to provide a highly academic environment that will create scientific talent capable of applying knowledge and equipped for industry/competitive exams/academics/research. Biotechnology is best known for its role in medicine and pharmaceuticals, but the science is also applied in other areas such as genomics, food production, and the production of bio-fuels.

With our constant update of syllabus and our highly interactive course, students are always challenged to do better. Tie-ins with industry giants such as Hyderabad Central University, A.P. Forensic Sciences, Dr. Reddy's Research Laboratory, ICRISAT etc.. allow our students to work with these institutions for the entirety of their final semester. Our students pursue higher studies from premier institutes of Indian and prestigious universities around the globe.

Our world class infrastructure is of a high enough quality for our faculty to conduct research. Apart from a Plethora of laboratories, we also have an entire ecosystem of flora for our students to utilize.

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.

❖ For LAB-X 2021 fest video: [CLICK HERE](#)

❖ PICTURES:-







INDUSTRIAL VISIT

❖ On 31st January 2020 department of bsc.biotechnology has organized an industrial visit for ABT (1ST year students) at at Pratishta Industries, Nalagonda.

❖ PURPOSE :

The purpose of this program is to gain exposure and to acquire practical knowledge on the various working processes to produce nutraceuticals for food ingredients sector.

❖ REPORT :

The 1st year students of biotechnology were taken to the Pratishta industries pvt.Ltd. Nalagonda, accompanied by head of the department Dr.P. Suresh Kumar – faculty in Biotechnology. We were briefed how to produce nutraceuticals for food ingredients sector then we were given a detailed orientation on various parameters that determine the production of animal feed supplements , proteiates, eco-friendly plant nutrients , botanical crop protectors etc.,,

The session was interactive and the students actively participated , posing questions related to nutraceuticals. After the orientation a guided tour for the production of nutraceuticals was organized. Other students got the opportunity to witness the different types of equipments.

❖ REVIEW :

Students opined that the visit has reinforced the knowledge gained in the classroom of nutraceuticals production.

On behalf of Loyola Academy we thank Mr.B. Nageshwara Rao operation manager at Pratishta industry pvt.ltd,Nalgonda for allowing us to gain immense knowledge on nutraceuticals production. We express our heartfelt thanks to our faculty and principle , Rev.Fr.Dr.L. Joji Reddy for permitting us to organize such a resourceful visit.

❖ PICTURES:



WORKSHOP

TWO-DAY WORKSHOP OF MOLECULAR MODELLING AND DRUG DESIGNING

The Department of B. Sc Biotechnology, Genetics & Chemistry conducted a two days workshop in Bioinformatics on the topics of Molecular Modelling & Drug Designing on **29th and 30th January 2019** in the Bioinformatics Laboratory, Loyola Academy Degree & PG College.

DAY 1:-

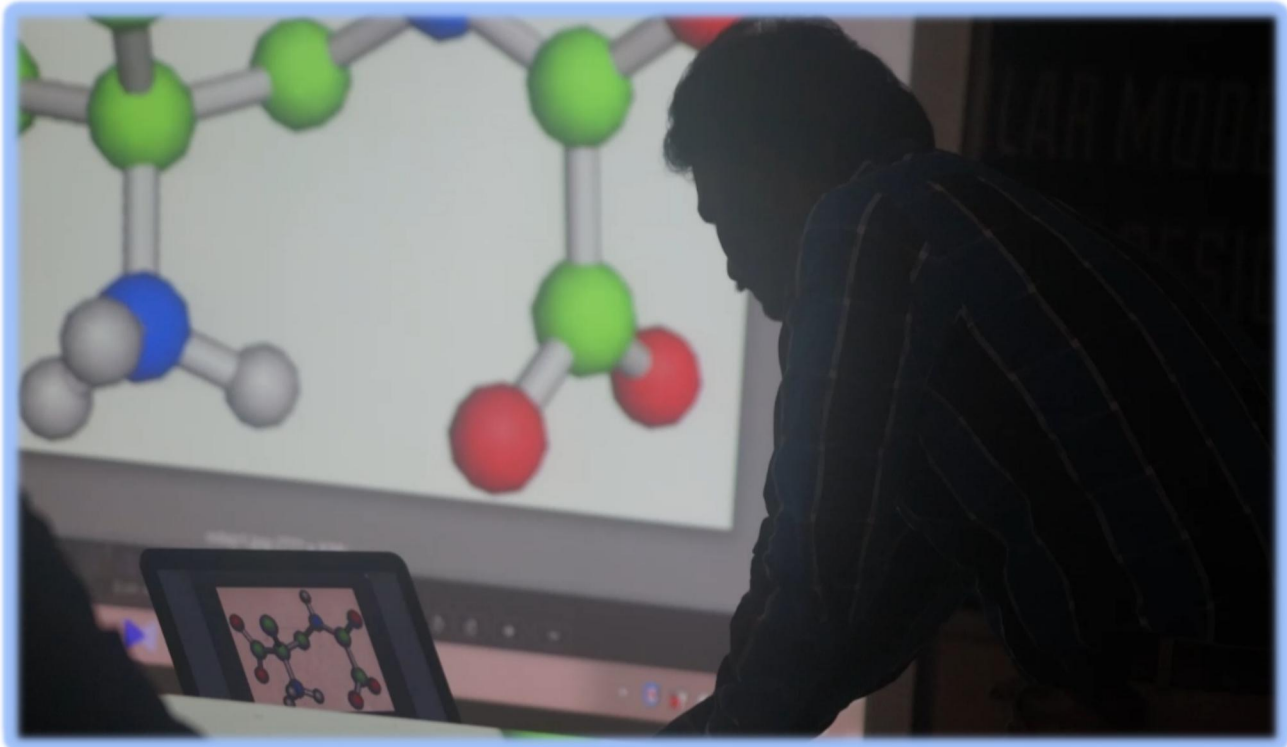
- ❖ The day-one session began with the Inaugural Ceremony of the Workshop. The students of the department convened at the Central Genetics Laboratory for the ceremony. The session was hosted by the Dr. Suchitra Naidu, Lecturer in Biochemistry and was chaired by Dr. Suresh Kumar, The Head of the Department.
- ❖ A brief speech on the introduction and functioning of the department in the field of pedagogy, curriculum, assessment and research and development was given by Dr. Suresh Kumar. The Resource Personnel, Dr. Rajashekhar delivered a talk on “Introduction to Bioinformatics” that comprised of the key terminology of bioinformatics, its origin and the major software used in online and offline mode to analyse, develop and design a model virtually. The importance of dry-lab was stressed on and the scope in the future generation in research and developments was discussed.
- ❖ The topic titled “Molecular Modelling Bioinformatics” by Dr. Shanti Kumari. The AV presentation could clearly explain the structure and function of the molecule used being analysed and therefore was perceived and comprehended by the students in a much better way. Different molecular integrations with ligands and intermolecular bonds with the bonding parameters were taught to the students. The session was very interactive an enthusiastic discourse among the students.

DAY 2:-

- ❖ The second day of the workshop was initiated by a talk proposed by Dr. Rajasekhar, titled as “Designing of Drugs using Bioinformatics”.

- ❖ The talk comprised of structure and function of proteins, types of proteins and ligands, protein-ligand interaction and 3-D structure of protein. The detailed description on the softwares to be used in the practical was taught theoretically.

PICTURES:



VISIT TO CENTRE FOR DNA FINGERPRINTING AND DIAGNOSTICS (CDFD-CSIR)

✧ **CONTEXT:**

- The Department of Biotechnology, Chemistry and Genetics organized Scientific visit for final year students Batch (2017-20) to Centre For DNA Finger printing and Diagnostics on **9th july 2019**.

✧ **PURPOSE:**

- To provide knowledge to the students about different instruments and their working processes.

✧ **REPORT:**

- Academic institution visit (a part of Industrial visit) was carried out at Centre For DNA Finger printing and Diagnostics especially for fifth semester students on **9th july 2019**.
- The purpose of the visit was to make students aware about how various activities related to Forensic science, Molecular biology and Biotechnology are being carried out at CDFD.
- This was also to provide them feel of biotechnology applications.
- The Centre for DNA Fingerprinting and Diagnostics (CDFD) is an Indian Biotechnology research centre, located in Hyderabad, India, operated by the Department of Biotechnology, Ministry of Science and Technology, Government of India.
- After introduction, all students were divided in two groups of 16 each and were headed by one staff member of respective research lab who helped them to understand the research work going on the respective lab.

- Students took almost three hours to see complete set of instruments and production facilities of vaccine manufacturing. This was followed by questions of students.
- It is rightly said that “See & know’ is better than ‘read & learn’. Students got real feel of research work after this visit.
- They got a chance to transfer their theoretical knowledge to practical implications. This will even help students to understand subject matter clearly in future also.

❖ **OUTCOME:**

- CDFD visit helped students to reinforce classroom materials, bringing lessons to life. It gave opportunity to visualize, experience and discuss information on different life science subjects. It motivated students to learn about current trends in biotechnology.

❖ **PICTURES:**



SCIENTIFIC FIELD VISIT (2018)

❖ REVIEW:

- The Department of Biotechnology, Genetics and Chemistry has taken the first, second and final year students to CCMB open day visit on **26 September 2018**.

❖ PURPOSE:

- To provide knowledge to the students about different instruments and their working processes.

❖ REPORT:

- The Director of CCMB has received our students with warm welcome. The students were divided into groups and each group was guided by a PhD student and explained about different important instruments like Electron microscope, HPLC, UV, IR, Cell culture and Microbiology labs and showed exhibits and provided some valuable information about the biosafety containment levels, types of diseases and life cycles of causative organisms and molecular farming etc.
- The students were very happy with the visit and helped them to educate about different biotechnological instruments.

❖ PICTURES:



INDUSTRIAL VISIT (2018)

❖ REVIEW:

- Taking the facilities to educate the students in technical education, this program sparked a large positive response from the students.
- Technical demonstration helped them to learn in a new way. They enjoyed learning with practical demonstration. Also, the department students felt purposeful to contribute for a cause through this endeavor.
- The Department of Biotechnology, Genetics and Chemistry has taken the first, second as well as final year students to **Prathista Industries Ltd.** Choutuppall (mandal), Nalgonda(Dist), as a part of industrial visit on **13 August 2018**.

❖ PURPOSE:

- To enhance the learning through the process of productive industrial visits. The fermentation process and techniques would be witnessed practically, which made the students understand the concepts of fermentation technology better.

❖ REPORT:

- The MD of Prathista Industries Ltd have received our Biotechnology students with warm welcome. The students were taken to the seminar hall and explained the procedures they are following for the production of the fermented products.
- After that they have taken the students around the industry and showed different important instruments like large scale fermenters, HPLC (High Pressure Liquid Chromatography), and all the required equipments for downstream processing and for the instruments that are used to do tests for ASSAY (to know the purity of the samples), RS (to know the impurities of the samples), the field test area to test the pesticides or fertilizer samples for producing organic vegetables.
- They have also provided refreshment snacks to the students and the students were very happy with the visit.

❖ PICTURES:



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 TH 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 TH OCT 2021	PARTICIPATION	FDP
	RECENT TRENDS IN TRANSFORMING LIFE-SCIENCES: FOCUS ON ACADEMIA & INDUSTRY SYMBIOSIS	OSMANIA UNIVERSITY, HYDERABAD	13 TH - 19 TH 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 TH JUNE 2020	PARTICIPATION	WEBINAR
	RELEVANCE OF OUTCOME BASED EDUCATION IN TEACHING, LEARNING & EVALUATION FOR SOCIAL SCIENCES	IIMC/ HYDERBAD	27 TH & 28 TH OCT 2021	PARTICIPATION	FDP
	CONCLAVE ON GENETIC COUNSELLING	AURORA'S DEGREE & PG COLLEGE/ HYDERABAD.	18 TH 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 LATA	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
	INTEGRATED INTERNATIONAL IMMERSION CONFERENCE	LOYOLA ACADEMY/ HYDERABAD	2018	PARTICIPATION	CONFERENCE

GUEST LECTURES

❖ **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.

❖ **MADHURI LATA**

- 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.
- Delivered a lecture on Genome Organization and Transposable elements for II year biotechnology students in RAJA BAHADUR VENKATA RAMA REDDY WOMEN’S COLLEGE ,Hyderabad, on Feb 18,2019.

STAFF ACHIEVEMENTS

Our faculty have filed a patent, published book chapters, research articles & taken up few projects, and acted as an expert to the world-renowned university, and reviewer to internationally reputed high impact factor journals.

❖ RESEARCH PUBLICATIONS:

❖ Journals Published By Dr.P.Suresh Kumar

- **Article Title:** Docking Study Of Rhoc With Egcg Of Green Tea: An Insilico Approach
- **Journal Name:** International Journal of Science and Nature, **Volume :10**
- **Published Date :** 30-01-2019 .
- **Article Title:** Discovery of SHMT of Plasmodium Falciparum as New Drug Target for Malaria by computer aided drug Design Study.
- **Journal Name:** International Journal of Research and Analytical Reviews, **Volume:1**
- **Published Date:** 24-01-2018
- **Article Title:** Docking Study of RHOC with EGCG of Green TEA: An Insilico Approach.
- **Journal Name:** International Journal of Research and Analytical Reviews, **Volume :1**
- **Published Date :** 16-02-2018
- **Article Title:** Statistical Approach For The Enhanced Production Of Cold-Active Galactosidase From Thalassospira Frigidophilosprofundus: a Novel Marine Psychrophile From Deep Waters Of Bay Of Benga
- **Journal Name:** Preparative Biochemistry and Biotechnology, **Volume :48**

- **Published Date :** 27-02-2013
- **Article Title:** Isolation and Identification of Contaminants in Mass Cultivation of Bio-control Agent: *Trichoderma viride*.
- **Journal Name:**International Journal of Research in Pharmaceutical and Biomedical Sciences,**Volume :4**
- **Published Date :** 01-10-2013
- **Article Title:**A strategic review on disease prospectives of Hepatitis-A
- **Journal Name:** International journal of research in pharmaceutical and biomedical sciences. **Volume :3**
- **Published Date :** 18-07-2012
- **Article Title:**A Rapid and Sensitive High Performance LC/MS/MS Method Development and Validation for the Estimation of Aspirin in Human Plasma.
- **Journal Name:**Journal of Pharmacy Research,**Volume :5**
- **Published Date :** 03-10-2012
- **Article Title:** Cold Active Enzymes from the Marine Psychrophiles: Biotechnological Perspective
- **Journal Name:**Advanced Biotech,**Volume :10**
- **Published Date :** 04-10-2011
- **Article Title:**Structural prediction and comparative docking studies of psychrophilic β - Galactosidase with lactose, ONPG and PNPG against its counter parts of mesophilic and thermophilic enzymes bioinformation,
- **Volume :6,Published Date :** 12-05-2011
- **Article Title:** Psychozymes- The next Generation Industrial Enzymes.
Journal Name: Marine science research.

➤ **Volume :1, Published Date : 27-01-2011**

❖ **Dr.P.Suresh kumar** is awarded (Certificate of Excellence) for Peer-Reviewing the quality of the journal (Plant Biotechnology & Molecular Biology) by INTERNATIONAL KNOWLEDGE PRESS.

❖ **PATENTS:**

❖ **Dr.T.Suchitra Naidu** -Assistant professor in Biotechnology has filed one patent and details as follows

➤ **Topic:** Smart Vest to Detect Fluid in Lungs using Biosensor

➤ **Application Number:** 355563-001

➤ **Filed Date:** 27/12/2021

➤ **Status:** Design Accepted waiting for Publication and Certificate.

➤ **Patent Membership:** National Institution for training and skill development.

➤ **Membership ID:** NITTSD/PROFESSOR/13646

❖ **RESEARCH PUBLICATIONS:**

❖ **Journals Published By Dr. Suchitra Naidu**

➤ **Article Title:-**Effectiveness of topical application of crude extract of *Ichnocarpus frutescens* to wounds- a prospective observational study.

➤ **Journal Name:-**International Journal of pharmacy and industrial research.(2013)

➤ **Article Title:-**A Phytopharmacological review on *Ichnocarpus frutescens* L.

➤ **Journal Name-** Research journal of pharmacy and technology(2013).

❖ **PROJECTS UNDERTAKEN:**

❖ **Project Title:-** Isolation and purification of secondary metabolites from a medicinal plant *Enicostemma littorale*.

➤ **Funded/Sponsored:-**Research cell of Loyola Academy

➤ **Duration:** 2019-2020

❖ **Project Title:-**Evaluation of Antidiabetic activity of crude fraction of *Ichnocarpus frutescens* , a medicinal plant using male wistar rats.

➤ **Funded/Sponsored:-** U.G.C

➤ **Duration:-** 2014-2016

❖ **TRAINING:**

➤ 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 (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.

❖ **RESEARCH PUBLICATIONS:**

❖ **Journals Published By** A.Jaya Madhuri Lata

➤ **Article Title:**Effect of different growth regulators on invitro callus culture of *Artemisia Absinthium* and genetic transformation by *Agrobacterium* mediated gene transfer.

➤ **Journal Name:**International Journal of multidisciplinary research and development (2014).

➤ **Article Title:**Phytochemical Analysis and Antibacterial studies for the different metabolites produced by Wormwood plant(*Artemisia Absinthium*).

➤ **Journal Name:** Indian journal of Applied research (2015).

❖ TRAINING:

- 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 (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.

❖ BOOKS CHAPTERS

❖ Published By Dr.G Rajashekar

- **Paper Title:** Role of protein phosphatases in signaling, potassium transport and abiotic stress response.
- **Book Title:** Protein phosphatases in stress management in plants: Functional Genomics perspective.
- **Publisher:** Springer Verlag **Print ISBN:** 978-3-030-48732-4 **Electronic ISBN:** 978-3-030-48733-1
- ❖ **Paper Title:** Nutritional value, in vitro regeneration and development of transgenic Cucurbita pepo and C. maxima for stress tolerance: An overview.
- **Book Title:** Genetically modified crops: Current status, prospects and challenges.
- **Publisher:** Springer Verlag. **Print ISBN:** 978-981-15-5896-2 **Electronic ISBN:** 978-981-15-5897-9.

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	CELL BIOLOGY/ 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	THADURI SHIRISHA	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. SAIVIKAS REDDY	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 DIVYA SREE	DRUG DEVELOPMENT	COURSERA	2020
111718018038	MORRIS VICTOR	DRUG DEVELOPMENT	COURSERA	2020
111718018052	V.AISHWARYA	DRUG DEVELOPMENT	COURSERA	2020

**LOYOLA ACADEMY
DEPARTMENT OF BIOTECHNOLOGY**

EXTRACURRICULAR ACTIVITIES

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	ORGANISED/ ISSUED BY
DBT/ 2019-22	111719018045	K. SAI VIKAS REDDY	PRAKRITHI 2020	5 TH JUNE 2020	NATIONAL	PARTICIPATED	KASTHURBA GANDHI WOMENS COLLEGE
			E-FEST KURUKSHETRA	5 TH JUNE 2020	NATIONAL	OUTSTANDING CONTRIBUTION IN ORGANISING (Certificate of Appreciation)	LOYOLA ACADEMY
			ONLINE QUIZ	23 RD JUNE 2020	NATIONAL	CERTIFICATE OF EXCELLENCE	LITTLE FLOWER COLLEGE
			E-FEST KURUKSHETRA	5 TH JUNE 2020	NATIONAL	OUTSTANDING CONTRIBUTION IN ORGANISING (Letter of Appreciation)	LOYOLA ACADEMY
			AYAASA-- MANAGEMENT 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 TH JUNE 2020	NATIONAL	2ND POSITION IN STORY WRITING	LOYOLA ACADEMY

			E-FEST KURUKSHETRA	5 TH JUNE 2020	NATIONAL	CONSOLIDATION PRIZE IN SOLO SINGING	LOYOLA ACADEMY
			ARTOL HOLIC-21	2019	INTRA COLLEGE	2 ND 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
NBT/ 2020-23	111720018026	SUSHMA RACHABANTI	LOYOLA-CLUBS DAY	2021	INTRA COLLEGE	1 ST PRIZE IN FOLK & SEMI CLASSICAL DANCE	LOYOLA ACADEMY
			RESONANCE	2021	INTRA COLLEGE	1 ST PRIZE IN WESTERN DANCE	LOYOLA ACADEMY
	111720018021	BHAVIKA	FOOD EXPO-21-QUIZZ	2021	INTRA COLLEGE	PARTICIPATION	LOYOLA ACADEMY
			RESONANCRE	2021	INTRA COLLEGE	2 ND PRIZE IN DEBATE	LOYOLA ACADEMY
	111720018032	NATHAN ROHAN	RESONANCE – DEBATE	2021	STATE	PARTICIPATED	LOYOLA ACADEMY
ABT/ 2021-24	111721018004	CH. ANUHYA	RESONANCE	2021	INTRA COLLEGE	1 ST PRIZE IN DRAMA	LOYOLA ACADEMY
			RESONANCE	2021	INTRA COLLEGE	2 ND PRIZE IN DEBATE	LOYOLA ACADEMY
			OSMANIA UNIVERSITY-CULTURAL FEST	2022	STATE	1 ST PRIZE IN DRAMA	OSMANIA UNIVERSITY
	111721018001	DEEPTHI RAM	KARATE CHAMPIONSHIP	2021	STATE & NATIONAL	1 ST PRIZE (GOLD MEDAL)	-

	111721018007	C.NITHYA HARSHITHA	YOUTH PARLIMENT	2021	STATE & NATIONAL	PARTICIPATED	NATIONAL CHILDREN SCIENCE CONGRESS (NCSC)
DBT/ 2018-20	111718018047	VIKESH SANDA	UBER TECH-21	21 st SEP 2021	NATIONAL	BEST ACTOR AWARD	SRM CHANNAI
	111718018043	TARUN KUMAR	SHISHYA – CULTURAL FEST	19 TH SEP2020	NATIONAL	1ST PRIZE IN SHORT FILM	ST.FRANCIS
			SHISHYA – CULTURAL FEST PHASE – 1	19 TH SEP2020	NATIONAL	PARTICIPATED	ST.FRANCIS
	111718018025	SHUBHIKSHA	SHISHYA – CULTURAL FEST - SOLO SINGING	19 TH SEP2020	NATIONAL	1ST PRIZE	ST.FRANCIS

ENVIRONMENTAL ACTIVITIES

❖ **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 2nd 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 Ganesha and worshipping them ensuring the safety of the water bodies during the occasion.

❖ **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 2nd 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.

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

❖ PICTURES:



AWARENESS RALLY ON COVID-19

❖ TITLE OF THE PRACTICE :

- Awareness rally on COVID-19 - a Community Service programme

❖ OBJECTIVES OF THE PRACTICE:

- To sensitise the general public on the menace of COVID-19 .
- To provide social dimension to the educational system of the college and inculcate social responsibility and commitment in students.
- To bring forth the team spirit and leadership qualities of the students and broaden their social outlook that will help them work for the welfare of the community.
- To inculcate values of concern, compassion and commitment.
- To Identify the needs and problems of the community and involve them in problem-solving;

❖ THE CONTEXT:

- The growing burden of COVID-19 worldwide and the difficulty of preventing outbreaks have increased the urgency to identify alternative public health management strategies and effective approaches to control and prevent it.
- The students along with the faculty members of the department have reached out to different government schools and slums in educating them about COVID-19, its causative factors, symptoms, treatment procedures and preventive measures .

❖ THE PRACTICE:

- On Friday, **6 March 2020**, the Department of B.Sc Biotechnology, Loyola Academy organized a awareness rally on. COVID -19 in the neighbouring areas of Bhoodevinagar, Alwal.

- Under the guidance of Rev. Fr. Dr. P. Anthony Principal, Rev. Fr. Dr. L. Joji Reddy Vice principal, Rev. Fr. Anand SJ and Dr. P. Suresh, Head of the Department and other staff members.
- Students carried placards, and banners highlighting the importance of hygiene. They raised slogans urging people to regularly and thoroughly clean their hands with an alcohol based hand rub or wash them with soap and water, maintain atleast 1 meter or three feet distance between themselves and others who are sneezing or coughing, avoid touching eyes, nose and mouth, stay home if unwell and stay updated with latest COVID-19 hotspots.
- The rally proceeded door to door in the neighbouring areas where the participants divided themselves into small groups and went ahead by educating the residents of each and every house of Bhoodevinagar.
- Finally all the students and staff culminated at the starting point and headed back towards the college.

❖ **EVIDENCE OF SUCCESS:**

- A total of 120 students participated in the rally and motivated and created awareness in the general public. People thanked for enlightening them and helping them understand the causative factors and symptoms of COVID-19.

❖ **PICTURES:**





14 మల్కాజ్ గిరి జోన్

కరోనాపై అవగాహన ర్యాలీ



అవగాహన ర్యాలీ, లయోల కళాశాల విద్యార్థులు

అల్వార్ల ప్రభుత్వ బాలికల ఉన్నత పాఠశాలలో శుక్రవారం కరోనా వైరస్ నై అవగాహన కార్యక్రమాన్ని నిర్వహించారు. అల్వార్లలోని లయోలా అకాడమీ డిగ్రీ, పీజీ విద్యార్థులు మాట్లాడుతూ అందరూ మాస్కులను ధరించాలని, పరిశ్రాళులను పరిశుభ్రంగా ఉంచుకోవాలని, చేతులు శుభ్రంగా కడుక్కోవాలని విద్యార్థులకు వివరించారు.

అల్వార్ల ప్రభుత్వ బాలికల ఉన్నత పాఠశాలలో శుక్రవారం కరోనా వైరస్ నై అవగాహన కార్యక్రమాన్ని నిర్వహించారు. అల్వార్లలోని లయోలా అకాడమీ డిగ్రీ, పీజీ విద్యార్థులు మాట్లాడుతూ అందరూ మాస్కులను ధరించాలని, పరిశ్రాళులను పరిశుభ్రంగా ఉంచుకోవాలని, చేతులు శుభ్రంగా కడుక్కోవాలని విద్యార్థులకు వివరించారు.



దోలనపల్లి విద్యార్థులు, నేరేడుపల్లి, మల్కాజ్ గిరి పబ్లిక్ కాలేజీ లయోలా.

పరిషత్ బాలికల ఉన్నత పాఠశాల



విద్యార్థులకు అవగాహన

అల్వార్ల ప్రభుత్వ బాలికల ఉన్నత పాఠశాలలో శుక్రవారం కరోనా వైరస్ నై అవగాహన కార్యక్రమాన్ని నిర్వహించారు. అల్వార్లలోని లయోలా అకాడమీ డిగ్రీ, పీజీ విద్యార్థులు మాట్లాడుతూ అందరూ మాస్కులను ధరించాలని, పరిశ్రాళులను పరిశుభ్రంగా ఉంచుకోవాలని, చేతులు శుభ్రంగా కడుక్కోవాలని విద్యార్థులకు వివరించారు.

- అల్వార్ల, ఆంధ్రజ్యోతి

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.

❖ PICTURES:



FACULTY DEVELOPMENT PROGRAMME

- ❖ *The quality of education depends largely on the qualifications and competencies of the faculty. The Faculty Development Program (FDP) is a critical factor towards building the strong foundation of an educational system to ensure quality education.*
- ❖ Department of Biotechnology has organized FDP (faculty development programme) on the topic “**IN SILICO DRUG DEVELOPMENT**” on **27th - 31st May 2021**.
- ❖ As a chief patron Rev.Fr.Dr.Pothireddy Antony SJ & As a Resource person C.Rajashekar are attended.

❖ PICTURES:



Loyola Academy

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

A Faculty Development Programme (FDP) On
IN SILICO DRUG DEVELOPMENT

27th -31st 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

❖ Workshop on **MOLECULAR TECHNIQUES** is a Hands on training workshop organized jointly by Dept of Biotechnology and Agricultural Science in *collaboration with HIMEDIA solutions* on **March 13-14, 2020**.

❖ **Inauguration:** The workshop was inaugurated by Rev Fr. Dr. P. Anthony (Principal,LA) with a brief introduction of the workshop. The chief Guest of work shop Dr. Gopala Krishna Associate professor,Agribiotech Fondation, given insights in to agricultural biotechnology and future prospectus. The guest of honour Dr.Mallikarjuna research scientist, Agribiotech foundation given a speech on the significance of workshop for the teachers. Vice principla PG Rev.Fr.Dr.Jiji reddy SJ addressed the gathering. Heads of the departments Dr.P.suresh Kumar (BT)and Mrs K.Sarita(AG) delivered the profiles of the departments to the audience.

➤ **DAY 1:**

❖ **SESSION 1:**

❖ After the inaugural function the workshop was started by Mr. Dr.Sivaji, Veeraju,Ch. technical expert from Hi Media Laboratories. He started the workshop with presentation on Isolation of DNAfrom plants which was continued by discussion between the faculty and the experts. For performing the practical's all the faculty were divided into 5 groups results and queries were discussed further between the experts and students.

❖ **SESSION2:**

❖ In the 2nd session day technical expert Mr. Dr.Shivaji gave presentation on PCR techniques and explained the basic concepts and its working principle. Followed by detection of GMOs by RT_PCR and Detection of SNPs.

➤ **DAY 2:**

❖ **SESSION 1:**

❖ Strated by Dr.Ch.Rajashekar who demonstrated Modelling and docking techniques by using Bioinformatics tools. Followed by Dr.K. Karthick given demonstration on HPLC which will be performed in 2 nd session

❖ **SESSION 2:**

- ❖ Started by Mr. Dr.Sivaji, Veeraju Ch, technical expert from Hi Media Laboratories The same groups performed the practicals on 1 day followed by discussion session. Detection of Dengue by RT PCR, plant pigment separation by HPLC and ELISA were demonstrated followed by the discussion between technical experts and faculty
- ❖ **Valedictory:** headed by Principal Rev Fr Dr P.Anthony, Participants told their feedback on workshop followed by distributed certificates to participants by principal followed by vote of thanks.
- ❖ **Outcome:** The outcome of the workshop was more positive interaction among all the technical experts from HiMEDIA and their participation that gave idea to all the attendants of handling, performing and interpretation of work/ practical.

❖ **PICTURES:**





WEBINAR

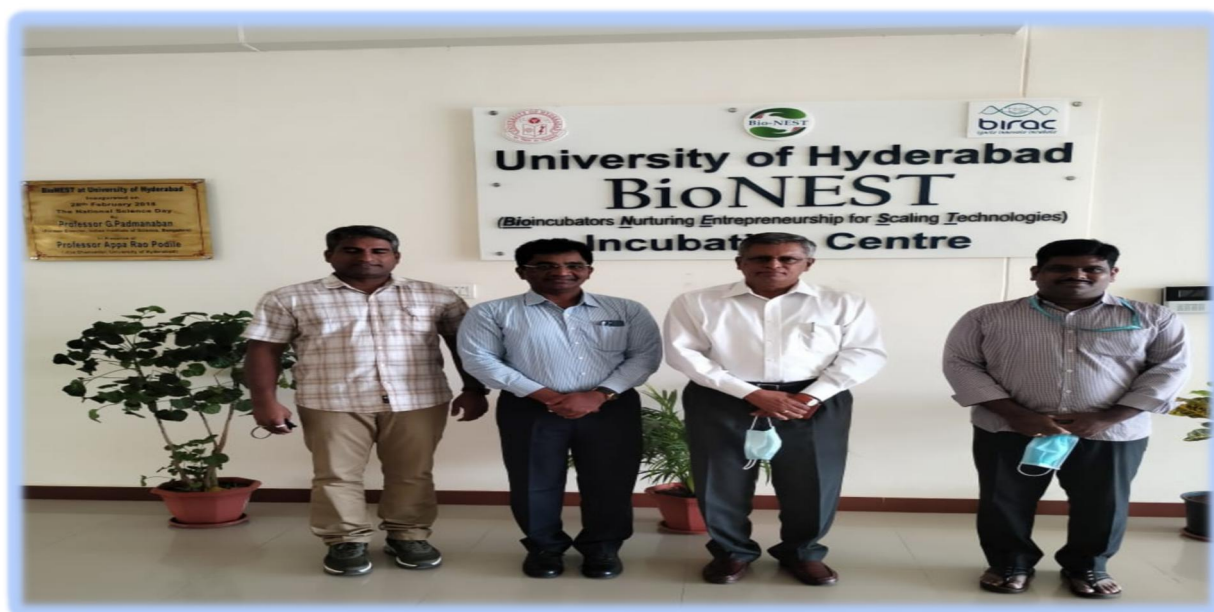
WEBINAR ON PROTEOMICS AND BIOLOGICAL APPLICATIONS

- ❖ 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 felloes 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.

INDUSTRY ACADEMIC COLLABORATIONS

- ❖ Tie-ins with industry giants such as Hyderabad Central University, Dr.Reddy's Research Laboratory, Osmania University etc..allow our students to work with them for the entirety of their final semester.
- ❖ Department of Biotechnology has M.O.U with Prathista Industrie & Industry Academic collaboration with BioNest (H.C.U), Agri Biotech Foundation, Jeeva Biotech etc..

❖ PICTURES:

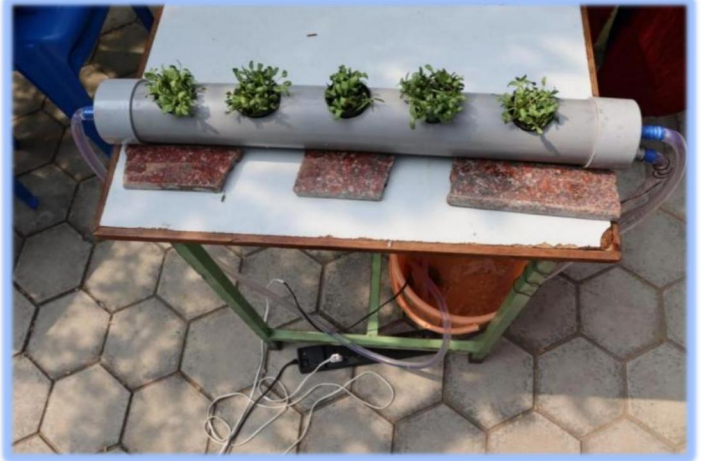
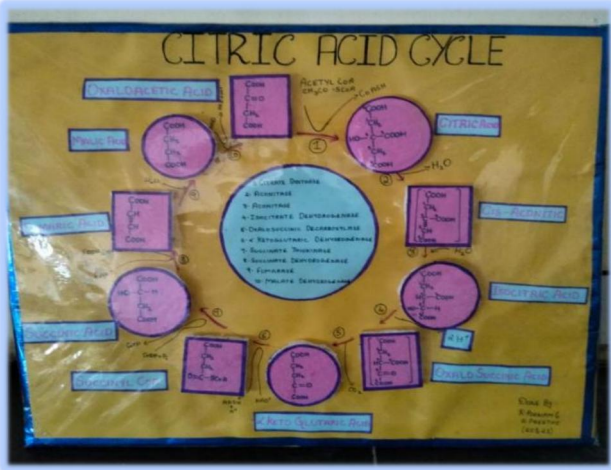


NATIONAL SCIENCE DAY CELEBRATIONS

- ❖ National Science Day is celebrated on February 28 every year to mark the discovery of the Raman effect by Nobel prize winning Indian physicist CV Raman.
- ❖ Students extract their knowledge from different means of learning such as group discussion, debates, model making etc., Students have prepared working models and posters on different topics for the National Science Day. Students will be awarded for their models & poster presentation.

❖ PICTURES:





TEACHERS DAY CELEBRATIONS

- ❖ Teachers Day in India is celebrated on 5th September to **commemorate the birth anniversary of Dr.Sarvepalli Radhakrishnan.**
- ❖ Teachers Day celebrations were held on *5th September 2021* to appreciate and acknowledge the hardwork and dedication of our beloved teachers.
- ❖ Celebrations are done in both, offline & online mode, Students were actively participated in the Teachers Day Celebration.
- ❖ For Teachers Day Celebration Video: [CLICK HERE](#)

❖ PICTURES:

