LOYOLA ACADEMY

(DEGREE & PG COLLEGE)
ALWAL, SECUNDERABAD - 500 010, TELANGANA, INDIA
(Autonomous and Affiliated to Osmania University)
Re-accredited with 'A' Grade (III Cycle) by NAAC
A "College with Potential for Excellence" by UGC
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ALOYOLA ACADEMY, ALWAL, SECUNDERABAD.

INSTITUTION'S INNOVATION COUNCIL

ANNUAL REPORT 2023-24

Loyola Academy (LA), founded by Rev.Fr. T.J. Balaiah in 1976, is a spacious campus of about 132 acres of land with state-of-the laboratories and exposure to sports. In 2008, UGC awarded LA a rare status known as "College with Potential for Excellence" (CPE), appreciating the achievements and qualitative pursuit of higher educational needs. In addition to this, the National Assessment and Accreditation Council (NAAC) accredited Loyola Academy with an "A grade" continuously for three cycles, that is, in 2005, 2011, and 2019, respectively, and granted an extension of an autonomous status for another five years. In the NIRF college stands between the ranks of 151 and 200 for the academic year 2022–23.

The college has 33 UG programs and 7 PG Programs and every department organises entrepreneurial and innovation activities like workshops, Boot camps, seminars, Conferences, Guest lectures etc. Apart from these there are Research and IPR Committee, Incubation cell, Innovation and Entrepreneurship Cell, Skill enhancement cell and two clubs Idea club and Intellectual property rights club to organize activities of Institution's innovation Council.

Loyola Academy registered for the Institutions Innovation Council in the academic year 2020–21, received 3 stars for the academic year 2021–22, and is continuing by organizing activities for the academic year 2022–23, received 3.5 stars for the academic year 2022–23 Loyola Academy emphasizes entrepreneurship and innovation. Every quarter, a council meeting is held to discuss the activities to be organized. A quarterly plan is prepared and implemented. A total of 10 faculty members completed Innovation Ambassador Training for the academic year 2021–22. In the academic year 2022-23, 3 Faculty members completed advanced level Innovation Ambassador Training and 3 Completed foundation level Innovation Ambassador Training. In the academic year 2023-24, 4 Faculty members completed advanced level Innovation Ambassador Training and 3 Completed foundation level Innovation Ambassador Training. A policy is designed for start-ups as per the guidelines of the NISP. Applied for the ARIIA (ATAL Ranking of Institutions on Innovation Achievements) ranking for the academic year 2021–22 and obtained the participation certificate.

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VISION:

- The vision of Institution's Innovation Council is to create a thriving innovation ecosystem within the institution, serving as a catalyst for entrepreneurship and fostering a culture of continuous innovation and creativity.

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MISSION:

Facilitate interactions with entrepreneurs, investors, and professionals in order to expose and promote innovative thinking by organizing workshops, field visits, idea contests, seminars, and networking with the local entrepreneurship development agencies.

Functions of IIC

- To conduct various innovation, IPR, and entrepreneurship-related activities prescribed by MIC in a time-bound fashion.
- Identify and reward innovations, and share success stories.
- Organize periodic workshops, seminars, and interactions with entrepreneurs, investors, and professionals, and create a mentor pool for student innovators.
- Network with peers and national entrepreneurship development organizations.
- Create an institution's innovation portal to highlight innovative projects carried out by the institution's faculty and students.
- Organize hackathons, idea competitions, mini-challenges, etc. with the involvement of industries.

Institution's Innovation Council of Loyola Academy

Fr.Dr.L.Joji Reddy - President

Dr.K.Vijayalakshmi- Vice President, ARIIA Coordinator

Dr.K.Rama- Convener, NIRF Coordinator

Dr.A.Bhavani – Entrepreneurship cell Coordinator

Dr.Zakir Hussain- IPR Activity Coordinator

Dr.L.Radhika Rani- Innovation Activity Coordinator

Dr.Veeraswamy- Social Media Activity Coordinator

Dr.K. Sudha Sundari- Start up Activity Coordinator

EXTERNAL MEMBERS

1. Dr. Nandita Sethi - Founder & MD of The Entrepreneur Zone (TEZ)

2. P S N Murthy- Consulting Expert, Microfinance * Financial Inclusion * Financial/Business/Digital Literacy * Skill/Entrepreneurship Development * MSME * NGO Management *CSR

3.Sathish Yellanki – Managing Director- Skyess Techno solutions.

MEMBERS

Dr. Suchitra Naidu- Dean of Academics

Dr. G. Ratna Vani – Dean of Arts

A. Anjani Kumari- Coordinator, Skill development Cell

Mrs. Saras Chandra- Dean of Student affairs

Dr.P.Suresh Kumar- Assistant controller of Examinations

Mrs.Jayamadhuri latha – Department of Biotechnology

Ms.K.Ketana- Coordinator, Internship

Mrs.D.Arpita Rani- Department of Computer Science.

Mrs.PY.Radhika- Department of commerce

Dr.Shakira Sultana- Department of Mathematics

Hima bindu. A- Department of Mass Communication

Ms.Priya - Department of commerce

Ms.Bindu Babu- Department of Mathematics

Ms.K. Nandini- Department of Computer science

Mr. Sujeeth Sujay- Department of English.

Ms.S.Lakshmi- Department of Computer science

INFRASTRUCTURAL FACILITIES

Horticulture Research Station

The Horticulture Research Station was established on 15 acres to give hands-on experience to agriculture students in 2017. This research centre is used by the Departments of Agriculture, Science, and Biotechnology.

Food Technology and Management

Started in 2004, the department of Food Technology and management has well-established and equipped labs. The department has food analysis, food processing, a food microbiology lab, a bakery, and ice cream and milling pilot plants financed by the ministry of food processing.

Electronics Instrumentation Lab

Started in 1993, the department has two well-equipped labs: the basic electronics lab and the digital microprocessor lab. Electronics Instrumentation lab is used by the Electronics, Artificial Intelligence, Internet of Things and Computer Science Faculty. This lab is fully equipped with Computers, Aurdino boards, Sensors and actuators as hardware equipment and Xilinx, MATLAB etc as Software resources to promote research work for both students and faculty. Workshops on Design thinking were organized to provide hands-on experience to students. In house projects were done by students with the help of faculty.

Computational Research Lab

The Computational Research lab takes care of the IT related requirements of all the Departments. It maintains labs to provide centralized computing facilities to all students and research Scholars of various departments. This lab is equipped with latest software SPSS, Mathematica, Java, MS Office 365, R , Python.

Central Research Lab

This Lab is used by The Department of B.Sc. Chemical Technology, M.Sc. Organic Chemistry and UG and PG departments of Biotechnology.

INSTITUTIONS INNOVATION COUNCIL ACTIVITIES

An orientation program is organized for all the students at the college at the beginning of the year by inviting various entrepreneurs and startup founders to create awareness among them. All the days like Constitution Day, National Education Day, National Energy Conservation Day, National Start-Up Day, National Science Day, World Creativity and Innovation Day, National Science Day, World Environment Day, AI Day, Women's Day, National Commerce Day, and World Entrepreneurs Day were celebrated by the Institutions Innovation Council in the years 2023–24. A total of 60 IIC calendar Activities, MIC driven activities and self-driven activities organised for the year 2023-24.

The College has participated in ARIIA ranking.



ARIIA Participation certificate



IIC- Rating Certificate 2022-23.

ENTREPRENEURIAL ACTIVITIES

Innovation in business

On 26thSeptember 2023, the department of B. Com Business Studies organized one day workshop. The workshop emphasized the importance of adaptability and innovation in business. Attendees left with a deeper understanding of business tactics, a toolkit of strategies, and the inspiration to implement positive changes in their respective venture help decode business.

National Workshop on skill Force

Two Day National Workshop on skill Force: Empowering youth for a changing world was conducted. This informative session on skill development and seizing opportunities served as a powerful reminder of the transformative potential within each of us. By emphasizing the importance of continuous learning and honing our abilities, the speech underscored the path to personal and professional growth. Furthermore, the speaker's insights on recognizing and capitalizing on opportunities illuminated the way to open doors to success. In sum, the session left the audience inspired and equipped with the knowledge to embark on a journey of skill development and opportunity utilization, ultimately paving the way for their own achievements.

Embarking on a journey of creative exploration, the Animation department at Loyola Academy, spanning both undergraduate and postgraduate programs, orchestrated a dynamic art festival unfolding over two interactive days.

NEGOTIUM 2K24

On the 14th of February 2024 the BBA department organized a two day departmental fest "NEGOTIUM 2K24" in Inigo Hall at Loyola Academy. This National Collegiate Management fest was held with the objective of encouraging the B.B.A Students to hone their Managerial skills. This mega event was inaugurated by the eminent chief guests, Shri Rajashekar Reddy garu, M.L.A, Malkajgiri and Dr. Limbadhari, Professor, Osmania University

ALUMNI NETWORK

Loyola Academy has a strong student and alumni network to support in ideation. The Alumni Relations Team engages in various initiatives to connect with the alumni at various platforms such as –

Mentorship Programs: Building a strong mentor connect between alumni and interns to help the interns in the organizations.

Alumni connect drives: Connecting with alumni during various drives and taking their feedback to grow further.

Guest Lectures: Inviting industry experts to share knowledge with students.

Alumni Meets: Every year on the second Saturday of November Management organizes alumni meet to develop strong bond with them.

Out Reach Programs

Innovative projects demonstrated in Government School

The students of B.Sc. Computer Science and Internet of Things (IoT), Loyola Academy, showcased their active involvement in the event through the creation of various projects in the IoT and technology domains. Their innovative projects demonstrated not only their technical expertise but also their dedication to advancing knowledge in these cutting-edge fields. By presenting a diverse array of projects, ranging from smart home automation to environmental monitoring systems, the students aimed to ignite curiosity and inspire the next generation of innovators among the government school students.



విద్యార్థులకు సాంకేతిక విజ్ఞానంపై అవగాహన

అల్వాల్, న్యూస్‌టుడే: సాంకేతిక విజ్ఞానంలో వస్తున్న మార్పులపై కౌకూర్‌లోని ప్రభుత్వ ఉన్నత పాఠశాల విద్యార్థులకు సోమవారం అవగాహన కల్పించారు. అల్వాల్‌లోని లయోలా అకాడమీలోని కంప్యూటర్ సైన్స్ విద్యార్థులు ఈ ల్యాబ్ టూ స్కూల్ పేరుతో కంప్యూటర్, రోబోలకు సంబంధించిన విజ్ఞానాన్ని నమూనాల ద్వారా పాఠశాల విద్యార్థులకు వివరించారు. బాల్యం నుంచే క్రమక్రమంగా సాంకేతిక విద్యలో పట్టుసాధించాల్సిన అవసరం ఉందని ప్రధానోపాధ్యాయుడు మురళీకృష్ణ అన్నారు. కార్యక్రమంలో రవీందర్‌రెడ్డి, డాక్టర్ రాధికారాణి, అబ్దుల్ ఖతార్, అకాడమీ విద్యార్థులు పాల్గొన్నారు.

కంప్యూటర్, రోబోలపై అవగాహన కల్పిస్తున్న లయోలా విద్యార్థులు

Visit to Kalyani Maxion Wheels Products

The students visited Kalyani Maxion Wheels Products in Pune on 15th December 2023. The Industry Visit has given students insight into the industry in terms of its layout, operations, human resource, best case practices and waste management.

AICRP-IFS (Integrated Farming Systems) unit

The third year B.Sc. Agriculture students (DAG A and DAG B) were taken on an **AICRP-IFS (Integrated Farming Systems) unit located in PJTSAU, Rajendranagar,** Hyderabad to gain practical knowledge on aspects like establishing IFS model, economics involved, advantages, disadvantages and other practicalities involve as a part of the course **" Farming Systems and Organic Farming for Sustainable Agriculture".**

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UNNAT BHARAT ABHIYAN

Loyola Academy has adopted five villages as part of Unnat Bharat Abhiyan (UBA), a program of the Ministry of Education of the Government of India. It is to enable higher educational institutions to work with the people of rural India in identifying development challenges and evolving appropriate solutions for accelerating sustainable growth. Believing in this noble cause, Loyola Academy adopted the villages of Bandamadaram, Railapur, Lingapur, Bhharmajiguda, and Nuthankal of Medchal Malkajgiri district. Even before we were part of UBA, Loyola was making its students work for the betterment of the poor and underprivileged under the program PLANET (Programme of Loyola Academy for Neighbourhood Empowerment and Transformation), an extension activity that is a compulsory credit course for every student at Loyola.

- After joining UBA, Loyola has decided to engage its students in intensive rural development centered around these adopted villages. The students and the faculty teams conducted complete village surveys and household surveys to understand the villages and the socio-economic challenges of the villagers.
- Loyola Academy seeks the support of 'Bala Vikasa, the pioneer non-profit organization, to work with us in the capacity building of the villagers and the development of the villages. We also seek support from the industry in the areas of funding and technology implementation and transfer. Loyola Academy, with the complete support of its management, is geared up to serve the villages with its human resources, in the form of all its students and faculty strength.

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Each One Teach Ten

Loyola Academy is introducing a social enterprise, in collaboration with Youth Empowering Service - Jesuits (YES-J) called 'Each One Teach Ten –YES-J's Social Enterprise'. The enterprise's objective is to improve fundamentals of literacy and numeracy (FLN) among the children pursuing primary education, by spending around an hour each working day to tutor and mentor children from low income households who otherwise cannot afford the services or are denied access to them. This enterprise will try to bridge the gap and facilitate them to continue their schooling without dropping from school and improve their standards. Initially, the students of Loyola academy will contribute as volunteers and later plan to recruit students from other colleges and homemakers of the respective neighbourhood as volunteers. The District Science Officer from Zilla Parishad School, Macha Bollaram is the representative from Government Schools, with the consent of the District Education Officer. The volunteers will receive the certificate for their selfless service from the State Council of Education and Training (SCERT), Government of Telangana and YES-J. Efforts towards paying the volunteers due acknowledgement is also under works.



Media Links

Instagram : https://instagram.com/iic_loyolaacademy?igshid=MzRlODBiNWFlZA==

Facebook:

https://www.facebook.com/profile.php?id=100095520727924&mibextid=ZbWKwL

Twitter : https://x.com/IIC_LADC?t=iV_nU1-lTRkzoNA5Ac0WSQ&s=09

Linkedin : https://www.linkedin.com/company/iic-loyola-academy/

TESTIMONIALS:

1. I'm indeed very glad to acknowledge the invaluable services rendered by the IIC to our Institution. Ever since it's inception, the cell under the able and dedicated guidance of Dr. K.Vijaya Lakshmi, has been a beacon of light to many aspiring Entrepreneurs and Researchers. The increase in ideation and creativity is the witness to their hard work. I wish them many more success in the years to come.- **Fr. Arul Jothi, Vice principal, Loyola Academy.**

2. I want to extend my sincere appreciation to the entire team behind the IIC, including the dedicated faculty members, mentors, and administrators who have worked tirelessly to make this initiative a resounding success. I look forward to witnessing the continued growth and impact of the Institution's Innovation Council as it continues to inspire and empower the next generation of innovators and change-makers.- **Dr.K. Rama, IQAC Coordinator, Loyola Academy.**

3.The Institution's Innovation Council of Loyola Academy has undoubtedly played a pivotal role in shaping our institution into a hub of creativity, entrepreneurship, and progress.

Prof. Kavitha Waghray, Dean, School of food Technology and Management.

4.Though I am new to the field of innovation and entrepreneurship, I was amazed at the transformation and innovative thinking and I have acquired knowledge. I look forward to the upcoming activities that help to create awareness, and inculcate a culture of innovation amongst the students. We can dare to come up with any idea, with a possibility of transforming it into a business plan later.- **Dr. Veera swamy Marri. Dean, School of Commerce, Loyola Academy**

5. As an Innovation Ambassador (IA), trained by the Prestigious institutes like Union Ministry of Education's Innovation Cell and AICTE's Institution Innovation Council(IIC) I feel privileged and blessed .This orientation has empowered and enabled me to show the path to my students to be the Innovators with the limited resources that they have, so I Extend my gratitude from the

Inner core of my heart to both Institutes for their Initiative.- **Dr. G. Ratna Vani, Dean School of Arts. Innovation Ambassador.**

6. I had the incredible opportunity to witness firsthand the power of innovation and incubation at Loyola Academy College, and I must say it was a transformative experience. This institution truly understands the importance of fostering creativity, nurturing entrepreneurship, and pushing the boundaries of traditional education. I cannot speak highly enough of the role Loyola Academy College played in shaping my mindset and providing me with the skills and resources to pursue my own entrepreneurial journey. The education I received there wasn't limited to textbooks and lectures; it extended to cultivating an entrepreneurial mindset and fostering a passion for innovation that I carry with me to this day. - **Dr. G.Anitha Mary, Dean, School of Informatics, Loyola Academy.**

7. Through various programs, workshops, and mentorship opportunities, the IIC has been instrumental in inspiring the next generation of innovators and entrepreneurs **- Dr.Rachel Shalini, Dean, School of Management, Loyola Academy.**

8**.** The IIC's commitment to research and development is commendable. Its support for faculty research projects, funding opportunities, and access to state-of-the-art resources has significantly enriched our research endeavors in the Faculty of Sciences..- **Dr.P.Thirupathi, Dean School of Sciences, Loyola Academy.**

9.IIC is an excellent initiative to create a vibrant local innovation ecosystem and start-up supporting mechanisms in Higher Education Institutions. The IIC has a wide variety of activities to encourage students and research scholars to make start-ups. IIC is an excellent platform for Industry Institute Interaction. It is a great opportunity to be a part of Loyola Academy's IIC. It is a good platform for students to develop their ideas into start-ups. It is a great path for future innovations and a great initiative from our institution. - **Mrs. G. Sirisha, Additional Controller of Examinations, Loyola Academy, Secunderabad**

10. In the era of globalization, innovation is the need of the hour and plays an important role in holistic development. As one of the coordinators of IIC, I explore every opportunity to innovate and guide students to innovate and safeguard their intellectual property.

– Dr.Zakir Hussain, IPR Activity Coordinator

11.The IIC has cultivated a vibrant culture of innovation within our institution. Through workshops, seminars, and various programs, it has instilled a sense of curiosity and a passion for innovation

among students and faculty alike.– **Dr.P.Suresh Kumar, Head, Department of M.Sc.Bio Technology.**

12.The IIC celebrates innovation through events and competitions that recognize and reward exceptional ideas and projects. These platforms not only motivate individuals to push their boundaries but also inspire others to embark on their innovation journeys. **Dr. L. Radhika Rani, Innovation Ambassador.**

13. Being certified towards the foundation level and the advanced level of Innovation Cell gave me awareness on Entrepreneurship and Innovative approach implementation. Especially me belonging to Arts, a wide range of Commerce related topics helped me even more further. I thank the team for prepping us with the necessary topics in a precise manner.- **Ms. A. Himabindu, Innovation Ambassador.**

14.One of the most commendable aspects of the IIC is its unwavering support for student entrepreneurs. The incubation facilities, mentorship programs, and financial assistance provided to aspiring student startups have been instrumental in nurturing the entrepreneurial spirit on our campus.- **Dr.A.Bhavani, Innovation Ambassador.**

15.The IIC Innovation Council's entrepreneurship events have been a game-changer for me. They provide valuable insights, connections, and motivation for aspiring entrepreneurs. I'm thankful for the vibrant ecosystem they've created.

-Soumya Jakkam- Student (DIAF)

16.The IIC Innovation Council's dedication to promoting startups is commendable. Their events offer invaluable knowledge and networking opportunities. I've found mentors and partners, thanks to their support.

-Alwin Raju Student (DIAF)

17. I've attended the IIC Innovation Council's events for years, and they consistently deliver quality content. These events have helped startups grow and thrive. The council is a positive force in the entrepreneurial community."

-Kshitij Singh Student (DMSCS)

18. As a recent graduate, the IIC Innovation Council's workshops and networking events have been instrumental in shaping my entrepreneurial journey. Their commitment to fostering innovation is evident in their event quality. I'm grateful for the inspiration and knowledge gained."

-Bibin Thomas Student (DCSC)

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