IQAC INITIATIVES 2022-23

INDEX

1. NIRF RANKING

The National Institutional Ranking Framework (NIRF) ranked the college between a band of 101-150 for the year 2022

National Institutional Ranking Framework
Ministry of Education
Government of India

India Rankings 2022: College (Rank-band: 101-150)

Institution list in alphabetical order

Back

Name	City	State
A. V. C. College	Mayiladuthurai	Tamil Nadu
Anna Adarsh College for Women	Chennai	Tamil Nadu
Aryabhatta College	Delhi	Delhi
Assumption College	Kottayam	Kerala
Bharathi Womens College	Chennai	Tamil Nadu
Catholicate College	Pathanamthitta	Kerala
Christ College (Autonomous)	Thrissur	Kerala
Delhi College of Arts & Commerce	South West	Delhi
Dhanalakshmi Srinivasan College of Arts & Science for Women	Perambalur	Tamil Nadu
Dr. S. N. S. Rajalakshmi College of Arts and Science	Coimbatore	Tamil Nadu
Farook College, Kozhikkode	Kozhikode	Kerala
Fatima College	Madurai	Tamil Nadu
Goswami Ganesh Dutta S.D. College	Chandigarh	Chandigarh
Government Arts College, Thiruvananthapuram	Thiruvananthapuram	Kerala
Government Arts College, Tiruppur	Udumalpet	Tamil Nadu
Government Brennen College	Kannur	Kerala
Government College, Nattakom, Kottayam	Kottayam	Kerala
Government Institute of Science, Nagpur	Nagpur	Maharashtra
Guru Nanak College	Chennai	Tamil Nadu
Hindusthan College of Arts and Science	Coimbatore	Tamil Nadu
Institute of Science & Technology for Advanced Studies & Research (ISTAR)(SFI),Vallabh Vidyanagar	Vallabh Vidyanagar	Gujarat
Janki Devi Memorial College	Central	Delhi
Kalindi College	Delhi	Delhi
Kristu Jayanti College	Bengaluru	Karnataka
Loreto College	Kolkata	West Bengal
Loyola Academy	Hyderabad	Telangana
Marian College, Kuttikanam P.O. Peermade	Kuttikanam	Kerala
Mehr Chand Mahajan D.A.V. College for Women	Chandigarh	Chandigarh

2. NPTEL

NPTEL rated Loyola Academy as the best Arts, Science, and Commerce College out of top 100 NPTEL colleges all over India in July-December 2022.

3. UNNAT BHARAT ABHIYAN (UBA)

UNNAT BHARATH ABHIYAAN AND EACH ONE TEACH TEN -OUT REACH ACTIVITIES

List of already adopted villages by Loyola Academy, prior to joining Unnat Bharat Abhiyan (UBA):

1. Masireddypally, Medchal Malkajgiri district
2. Masireddypally, Medchal Malkajgiri district
3. Konaipally, Medchal, Malkajgiri district
4. Kanu, Medchal Malkajgiri district
5. Gajagatlapally, Medak district

List of villages adopted under UBA (Medchal Malkajgiri district):

1. Railapur
2. Lingapur
3. Bandamadharam
4. Nuthankal
5. Barmajiguda

Loyola Academy has adopted 5 villages, Bandamadaram, Railapur, Lingapur, Bharmajiguda and Nuthankal of Medchal Malkajgiri district as part of Unnat Bharat Abhiyan (UBA), a program of Ministry of Education of 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. It also aims to create a virtuous cycle between society and an inclusive academic system by providing knowledge and practices for emerging professions and to upgrade the capabilities of both the public and the private sectors in responding to the development needs of rural India. After joining UBA, Loyola has decided to engage its students for an intensive rural development centred around these adopted villages. The students and the faculty teams conducted the complete village surveys and household surveys, to understand the villages, and the socio economic challenges of the villagers.

1. The major problems across all the villages are school. Except in Nuthankal, in all the other villages, there is only facility for primary schooling, and all the schools have only one teacher to teach classes from 1 -5.
2. The other problem we observed is lack of cooperation among villagers and division by caste.
3. The elderly of the villages complained that they are not receiving old age pensions. Loyola Academy is geared up to serve the villages with its human resources, in the form of all its students and faculty strength to work in the capacity building of the

villagers and development of the villages and technology implementation/ technology transfer. Loyola Academy looks forward to bring a difference in the lives of rural people and make an endeavour for uplifting the rural society, keeping up to its motto; 'Wisdom, Truth and Service'.

Loyola Academy's students, faculty and Management, initiated a social enterprise, called, 'Each One Teach Ten –YES-J's Social Enterprise' in collaboration with 'Youth Empowering Service Jesuits (YES-J)'. It is a social start-up, to make a bigger positive impact on learning of children from low-income households. It is to bridge the gap in learning and support them to continue their schooling without dropping from the school. In short, it is to improve the Fundamental Literacy and Numeracy (FLN). 'Each One Teach Ten –YES-J's Social Enterprise' is part of TOP 50 Social Impact preneurs Program of Incubation and Startup Hub, IIM Visakhapatnam. Our venture is in its phase 3 of the IIMV FIELD. The interns from Loyola Academy (Ignitors) are spending 1hr to 1.5 hrs per day, 5pm to 6pm or 6.30pm, each working day Currently the student interns from Loyola Academy are working on pilot at 4 locations.

1. Thara Orphanage home run by Jesuits (since June, 2022)
2. At Macha Bollaram, Alwal (since June, 2022), recently shifted the venue to community hall from residential premises.
3. Railapur, Medchal Mandal, Medchal District (February, 2023)

The teachers of Government Schools appreciated the idea, and the parents are interested to send their children to the class, after school. We are seeking approval from School Management Committee, ensuring that, the safety and security of the children is the parents responsibility, as it may become dark by the time classes get over.

LOYOLA ACADEMY

ADOPTED VILLAGES

1) Nuthankal 2) Railapur 3) Lingapur 4) Bandamadharam 5) Barmajiguda

(MEDCHAL MALKAJGIRI DISTRICT)

6)Gajagatlapally

(Medak District)

Under Unnat Bharat Abhiyan, the Flagship Programme of Ministry of Education, Government of India for Rural Development

Date: Venue:

Loyola Academy

UNNAT BHARAT ABHIYAN

ADOPTED VILLAGES

1) Nuthankal 2) Railapur 3) Lingapur 4) Bandamadharam 5) Barmajiguda

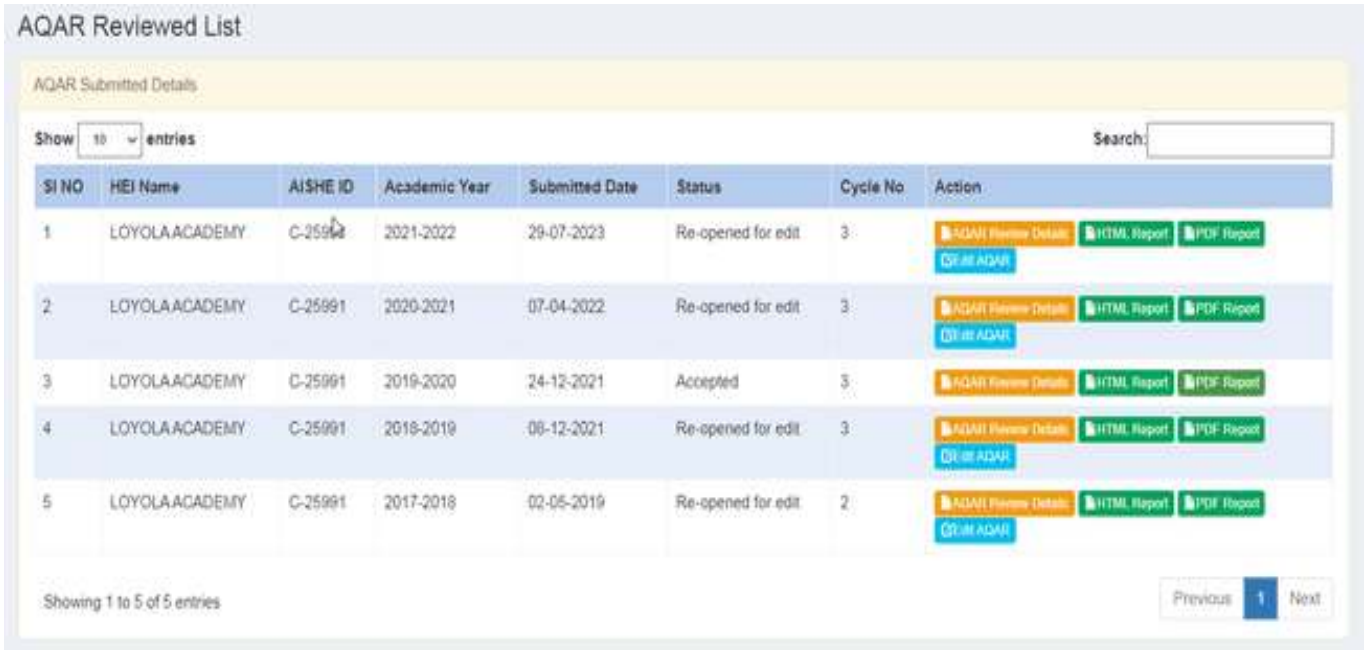
(MEDCHAL MALKAJGIRI DISTRICT)

UNDER UNNAT BHARAT ABHIYAN, THE FLAGSHIP PROGRAMME OF MINISTRY OF EDUCATION, GOVERNMENT OF INDIA FOR RURAL DEVELOPMENT

DATE: VENUE:

4. AQAR

AQAR reports for the academic years 2018-19, 2019-20, 2020-21, as per the updated guidelines in the month of December 2022, April 2022 and July 2023 respectively.



AQAR Reviewed List

AQAR Submitted Details

Show 10 entries Search:

Sl NO	HEI Name	AISHE ID	Academic Year	Submitted Date	Status	Cycle No	Action
1	LOYOLA ACADEMY	C-25991	2021-2022	29-07-2023	Re-opened for edit	3	AQAR Review Details HTML Report PDF Report QE IIE AQAR
2	LOYOLA ACADEMY	C-25991	2020-2021	07-04-2022	Re-opened for edit	3	AQAR Review Details HTML Report PDF Report QE IIE AQAR
3	LOYOLA ACADEMY	C-25991	2019-2020	24-12-2021	Accepted	3	AQAR Review Details HTML Report PDF Report
4	LOYOLA ACADEMY	C-25991	2018-2019	08-12-2021	Re-opened for edit	3	AQAR Review Details HTML Report PDF Report QE IIE AQAR
5	LOYOLA ACADEMY	C-25991	2017-2018	02-05-2019	Re-opened for edit	2	AQAR Review Details HTML Report PDF Report QE IIE AQAR

Showing 1 to 5 of 5 entries Previous 1 Next

5. ICCTAS-2022 (1st - 3rd September 2022)

IICCTAS-2022

AN IQAC INITIATIVE
INTERDISCIPLINARY INTERNATIONAL CONFERENCE ON CURRENT TRENDS IN APPLIED SCIENCES

SEPTEMBER 1-3, 2022 (HYBRID MODE)

FOOD SCIENCE & TECHNOLOGY

AGRICULTURE & BIOTECHNOLOGY

IICCTAS 2022

INTERDISCIPLINARY INTERNATIONAL CONFERENCE ON CURRENT TRENDS IN APPLIED SCIENCES

CHEMISTRY & CHEMICAL TECHNOLOGY

Register Here https://tinyurl.com/REGISTER-IICCTAS-2022-LA

LAST DATE FOR REGISTRATION: 22/8/2022 at 5:00 PM

THEME 1:
Advances in Agriculture and Biotechnology for Sustainable Development

THEME 2:
Newer Challenges in Innovative Food Processing and Nutrition to Provide Safe and Right Food

THEME 3:
Green and Sustainable Methods in Chemical Sciences and Technology

LOYOLA ACADEMY
DEGREE & PG COLLEGE
SECUNDERABAD, TELANGANA, INDIA- 500010

ABOUT IICCTAS CONFERENCE

A three-day interdisciplinary international conference on current trends in applied sciences is aimed to provide an opportunity for interaction among academicians, researchers and students from different areas of applied sciences such as agricultural sciences, biotechnology, chemical technology, chemistry, food sciences and food technology.

AIMS & OBJECTIVES

The main objectives of this conference are

- ❖ To provide a gateway to enhance knowledge
- ❖ To promote scientific temperament
- ❖ Highlight recent trends and issues in research areas of applied sciences and encourage future institutional collaborations across various disciplines

OUTCOME

It is expected that this international conference will contribute to update knowledge in various branches of applied sciences and encourage young researchers to take up the current challenges in the same domain. It also provides a platform to investigate problems in interdisciplinary fields leading to collaborative research.

The conference will embrace the keynote address, invited lectures, oral presentation, and poster presentation on various sub-themes pertaining to the three major themes.

REGISTRATION FEE

NATURE OF PARTICIPANT	INDIA	ABROAD
Students	₹ 750	$ 50
Research Scholars/ Faculty members/ Scientists	₹ 1000	$ 100
Industry experts	₹ 1000	$ 100

PAYMENT DETAILS

Registration fee can be paid through online mode (UPI/ Paytm/ Phone pe/ Google pay) or to **Indian Overseas Bank,** Account No.:**171501000000918** Account Name: **Loyola Academy,** IFSC CODE: **IOBA0001715** SWIFT CODE: **IOBAINBB**, Branch: **Loyola Academy Branch.**

Loyola Academy Management Pay By UPI Scan Here

UPI UNIFIED PAYMENTS INTERFACE

ABOUT COLLEGE

Loyola Academy is managed and administered by the Andhra Jesuit Province, belonging to the Society of Jesus, an International Catholic Religious Order. Loyola Academy Degree and Post Graduate College was founded by Rev. Fr. T. Baliah SJ, in 1976 in Alwal, Secunderabad, Telangana, India. Loyola Academy was granted Autonomous status in 1992 for Degree courses and in 2010 for PG courses. Appreciating the achievements and qualitative pursuit of Higher Education needs, UGC awarded Loyola Academy "A College with Potential for Excellence (CPE)" in the year 2008. In addition National Assessment and Accreditation Council (NAAC) reaccredited Loyola Academy for the 3rd Consecutive time with 'A' grade. National Institutional Ranking Framework (NIRF) placed Loyola Academy between 100-150 (2018-2021) for three successive years. Educational World awarded Loyola Academy 9th Position among the Autonomous Colleges in India.

A BRIEF SKETCH ON INTERDISCIPLINARY SCIENCES

The Course **B.Sc. Agricultural Science and Rural Development** was introduced in the year 1983. It was granted Autonomy in 1992. Later in 2000 the same was upgraded to 4 years B.Sc. honours course. This undergraduate course is of immense importance and relevance today as agriculture and rural resources are turning out to be critical issues.

B.Sc. Biotechnology was established in the year 2001 and **M.Sc. Biotechnology** was introduced in 2006. Department provides an Ecosystem where every student has an opportunity for holistic development such as Academic excellence, to transform themselves with leadership. Entrepreneur & Research Employability skills to be imparted to face the challenges in the future.

The Course **B.Sc. Food Technology and Management** has been introduced by Loyola Academy in the year 2004 as an answer to the rising need for food processing preservation and safety. Loyola Academy is the 1st college in the twin cities to have this course introduced. **M.Sc. Food Technology and Management** was introduced in 2013. The course **B.Sc. Food Science, Nutrition, and Dietetics** was added in the year 2018 to meet the demands of the consumer's aspiration for a healthy diet. To enhance the students with the latest skills in nutritional aspects, the course **M.Sc. Food Science and Nutrition** was introduced in the year 2020.

Chemical Sciences and Technology includes the departments of Chemical Technology (Estd. 1978) and Chemistry (Estd. 2003), affiliated with Osmania University and offer specialized programs for B.Sc. (Chemical Technology) and M.Sc. (Organic Chemistry). The curriculum for the courses was designed to provide students with an opportunity to specialize in the field of their desire and to further create opportunities in a variety of feasible areas like chemical industries, research organizations, and multinational companies.

SUB-THEMES OF CONFERENCE

Agriculture & Biotechnology

Theme 1: **Advances in Agriculture and Biotechnology for Sustainable Development**

Sub-Themes:

- Current research trends in nanotechnology
- Molecular modeling and drug designing
- Advances in genomics and proteomics
- Advances in plant and animal biotechnology
- Innovative approaches for crop improvement and allied sciences
- Innovative approaches for crop protection (diseases and pest management)
- New approaches toward natural and organic farming
- Innovative approaches for production technologies of cereals, pulses, fruits, and vegetables
- New approaches for farmers, agricultural marketing export entrepreneurship development

Food Science and Technology

Theme 2: **Newer Challenges in Innovative Food Processing and Nutrition to Provide Safe and Right Food**

Sub-Themes:

- Nanotechnology in the food industry
- The effect of food packaging materials on the environment
- Quality assessment and sensory evaluation of processed foods
- Effect of microbes on locally made fermented beverages
- Enhancement of nutritious food by using food waste by-products
- Functional foods and nutraceuticals
- Challenges and opportunities in cloud kitchen
- Solar processing for value addition of fruits and vegetables
- Food fortification and value-added cereal and millet-based products
- Newer approaches in food science nutrition and Technology

Chemical Sciences and Technology

Theme 3: **Green and Sustainable Methods in Chemical Sciences and Technology**

Sub-Themes:

- Eco-friendly organic synthesis
- Biomass utilization
- Waste utilization-reuse, reduce, recycle, etc.
- Catalysis- Homogeneous, Heterogeneous & Phase Transfer Catalysis in Organic Transformations
- Adsorption-Removal of dyes, volatile organic compounds, etc.
- CO_2 sequestration- CO_2 capture and utilization
- Computer-aided drug design
- Biofuels Production- Biodiesel, Bioethanol, Bio methanol production, etc.
- Modeling and Simulation Studies- Aspen Plus, COMSOL Multiphysics, etc.
- Enhanced Oil Recovery (Petroleum)
- Energy Storage- crystallization, phase change materials, salt hydrates, etc.
- Safety in the chemical process industry
- Nano-green technology

ORAL AND POSTER PRESENTATION

Presentations can be any of the topics from sub-themes using the following guidelines. Prizes will be given for the best oral and poster presentations

Oral Presentation: The number of slides should not exceed 15 and the presentation must include Title, Name, Theme, and Affiliation Address on the First Page of the Presentation, and the Content must have an Introduction, Materials, Methods, Results, Conclusion, and References.

Poster Presentation: Size: 1×1 m. Font Size: Title-80 pt, Authors-50 pt, Subheading 46 pt, Text-24 pt, Caption-18 pt. The poster must include- Title, Name, Theme, Affiliation Address, Introduction, Materials and Methods, Results, Conclusion, and References.

Call for Abstracts: The abstracts related to the conference themes are invited from all the stakeholders *viz*., Students, Research scholars, Faculties of different institutes, and PSUs/ Companies/ Private organizations. The soft copy of the Abstracts must be uploaded on or before the last date of registration. (Registration is mandatory)** Abstracts not exceeding 300 words with specific keywords, Font style: Times New Roman, Font Size:12 pt. Paragraph spacing:1.5 pt with respective IICCTAS 2022 themes. The abstracts can also be sent to the organizing team through email at ictas2022la@gmail.com

GUIDELINES FOR ABSTRACT: https://tinyurl.com/ABSTRACT-GUIDELINES-IICCTAS

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Mr. Nityananda Ghosh, Assistant Professor
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Mr. Y. Satish
HOD, Dept. B.Sc. Agricultural Science and Rural Development
Dr. P. Suresh Kumar
Dept. B.Sc. Biotechnology

BEST TOURIST PLACES OF HYDERABAD

ABOUT THE CITY: Hyderabad, the capital city of Telangana state, occupies a large area on the banks of river Musi. It is the 4th largest city of India. It has a unique combination of a tropical wet and dry climate with pleasant mornings and evenings. Also known as Pearl city, it has a rich history and culture. Hyderabad is a hub of pharmaceuticals, Biotechnology and Information technology.

CHARMINAR

GOLCONDA FORT

ST JOSEPH'S CATHEDRAL

YADADRI TEMPLE

RAMOJI FILM CITY

SALARJUNG MUSEUM

CHOWMAHALLA PALACE

STATUE OF EQUALITY

HOW TO REACH LOYOLA ACADEMY

By Air: Rajiv Gandhi International Airport (RGIA) is 41 km away from Loyola Academy

By Rail: Loyola academy is 11 km away from Secunderabad Railway station.

By Bus: Loyola academy is 10 km away from Jubilee Bus Station (JBS) & 18 km away from Mahatma Gandhi Bus station (MGBS)

City Buses from Secunderabad Railway Station: **25S, 25J & 225**

Google Maps

LINK FOR GOOGLE MAP LOCATION OF LOYOLA ACADEMY:
https://goo.gl/maps/NgJsuwyyQuAtjZM88

Several decent star hotels are located near Loyola Academy, Suchitra Cross Road

SPG Grand, Suchitra, https://www.spggrand.com/

Swagath Grand Suchitra, https://swagathgroupofhotels.com/suchitra.html

Minerva Grand, Kompally, https://www.minervahotels.in/kompally/

****Note: No accommodation provided for the participants***

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Mrs. S. Jemmy Evangeline (9989934947)
Mr. V. V. S Chalapathi Rao (7893135832)

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LOYOLA ACADEMY

Degree & PG College

Old Alwal, Secunderabad

INVITATION

We cordially invite you for the inaugural function of

INTERNATIONAL SEMINAR ON

"INTERDISCIPLINARY INTERNATIONAL CONFERENCE ON CURRENT TRENDS IN APPLIED SCIENCES-2022 (IICCTAS-2022)"

CHIEF GUEST

Sri. P. V. RAVI KUMAR GARU
Chairman, Dhana Crop Sciences Ltd., Hyderabad

GUESTS OF HONOUR

Dr. N. SREERAMA REDDY GARU
Director, Technical Sahasra Crop Sciences Pvt. Ltd., Hyderabad

Dr. SANJIV KUMAR GARU
Head, Scientist H, NCCM/BARC, Hyderabad

Date: 1st SEPTEMBER 2022 THURSDAY TIME: 10:00 AM
VENUE: INIGO HALL, LOYOLA ACADEMY, SECUNDERABAD

Your Presence is Highly Solicited

By
Rev. Fr. Dr. L. Joji Reddy SJ
Organising Chairman
Principal, Loyola Academy,
Vice-President Xavier Board of HEI India

INTERNATIONAL SEMINAR ON

"INTERDISCIPLINARY INTERNATIONAL CONFERENCE ON CURRENT TRENDS IN APPLIED SCIENCES-2022 (IICCTAS-2022)"

INAUGURATION SCHEDULE

Date: 1st SEPTEMBER 2022 THURSDAY TIME: 10:00 AM
VENUE: INIGO HALL, LOYOLA ACADEMY, SECUNDERABAD

Time	EVENT
10:00 – 10:05 AM	Prayer Song
10:05 – 10:10 AM	Welcome Dance
10:10 – 10:15 AM	Inviting Guests to Dais
10:15 – 10:20 AM	Lighting of Lamp
10:20 – 10:45 AM	Welcome address by Rev. Fr. Dr. L. Joji Reddy SJ, Organising Chairman & Principal, Loyola Academy
10:45 – 10:55 AM	Profile reading of Chief Guest, Sri. P. V Ravikumar, Chairman, Dhana Crop Sciences Ltd., Hyderabad
	Address by Chief Guest
10:55 – 11:05 AM	Profile reading of Guest of Honour, Dr. Sanjiv Kumar, Scientist H, Head, NCCCM/ BARC-Hyd
	Message by Guest of Honour, Dr. Sanjiv Kumar
11:05 – 11:15 AM	Profile Reading of Guest of Honour, Dr. N. Sreerama Reddy, Director, Technical Sahasra Crop Sciences Pvt. Ltd., Hyderabad
	Message by Dr. N. Sreerama Reddy
11:15 - 11.30 AM	Felicitation of the Guests

INTERDISCIPLINARY INTERNATIONAL CONFERENCE ON CURRENT TRENDS IN APPLIED SCIENCES-2022 (IICCTAS-2022)

PROGRAMME SCHEDULE

Day: 1 **September 1, 2022**

9:00 AM: Spot Registration

Time and Venue	Speakers	Title
10:00 AM to 11:30 AM	Chief Guest, Guest of Honour	**Inaugural Session**
Morning Session: 11:30 AM **to 12:30** PM, **Inigo Hall** (ABT, CST, FST)		
Keynote Address 11:30 AM to 12:30 PM	**Dr. N. Sreerama Reddy** Director Technical Sahasra Crop Sciences-Pvt. Ltd. Hyd.	*Organic farming-The way forward*
LUNCH 12:30 PM to 1:15 PM		
Afternoon Session: 1:30 PM to 4:30 PM, Venue: Inigo Hall **Theme:** Advances in Agriculture and Biotechnology for Sustainable Development (ABT)		
1:30 PM to 2:30 PM	**V. Jagannadham** School of Life Sciences, University of Hyderabad	*Proteomics A Powerful Technology to Understand Biology*
2:30 PM to 3:30 PM	**Dr. Samuel Sparjan Babu** Head R&D Sahasra crop Sciences, Hyderabad	*Current Research Trends in Nanotechnology*
3:30 PM to 4:30 PM	**Mrs. Saritha Reddy** Managing Director Navaratna Crop Sciences, Hyderabad	*Role of efficient microorganisms (EM's) in Sustainable Agriculture*
Afternoon Session: 1:30 PM to 4:30 PM, Venue: Xavier Hall Session-II: Green and Sustainable methods in Chemical Sciences and Technology (CST)		
1:30 PM to 2:30 PM	**Dr. Sanjiv Kumar** Head, NCCCM/ BARC NCCCM, Hyderabad	*Material Characterization of Surface Analytical Techniques-Recent Advances*
2:30 PM to 3:30 PM	**Dr. Sundergopal Sridhar** Senior Principal Scientist (IICT), Hyderabad	*Innovative Chemical Technologies for the Sustainable Development of Indian Industry and Society*
3:30 PM to 4:30 PM	**Dr. Raju Jannapu Reddy** Assistant Professor, College of Science, Osmania University	*(E)-Iodovinyl Sulfones: A Versatile Building Block in Organic Synthesis*
Afternoon Session: 1:30 PM to 4:30 PM, Venue: Loyola Hall **Session-II:** Newer Challenges in Innovative Food Processing and Nutrition to Provide Safe and Right Food (FST)		
1.30 PM to 2.30 PM	**Dr. Vijaya Khader** Professor, Former Dean, Acharya Nagarjuna University, Hyderabad	*Economic Empowerment of Women through Application of Science & Technology for Food, Nutrition, Health & Livelihood Security*
2.30 PM to 3.30 PM	**Dr. Rudrayya Math** Retd Head, Senior Principal Scientist CSIR-CFTRI RC. Hyderabad	*Solar processing for value addition of fruits and vegetables*
3.30 PM to 4.30 PM	Oral and Poster Session	*FST-PP1 to FST-PP FST-OP1 to FST-OP6*

INTERDISCIPLINARY INTERNATIONAL CONFERENCE ON CURRENT TRENDS IN APPLIED SCIENCES-2022 (IICCTAS-2022)

Day: 2 **PROGRAMME SCHEDULE** **September 2, 2022**

Time and Venue	Speakers	Title
Morning Session: 10:00 AM to 11:00 AM, Venue: Inigo Hall (ABT, CST, FST)		
Keynote Address 10:00 AM-11:00 AM	**Dr. Nandita Sethi** Founder & MD, The Entrepreneur Zone (TEZ), Hyderabad.	*IPR's and Entrepreneurship*
Morning Session: 11:15 AM to 12:05 PM, Venue: Inigo Hall **Theme:** Advances in Agriculture and Biotechnology for Sustainable Development (ABT)		
11:15 AM-12:05 PM	**Dr. Brajendra** Indian Institute of Rice Research (IIRR), Telangana	*Recent advances in soil health management*
LUNCH 12:10 PM to 12:50 PM		
Afternoon Session: 1:00 PM to 4:30 PM, Venue: Inigo Hall **Theme:** Advances in Agriculture and Biotechnology for Sustainable Development (ABT)		
1:00 PM to 1:45 PM	**Dr. A Sandhya** Asst. Professor, Dept of Genetics, O.U. Hyd.	*Drug Resistance and Novel Therapies for Cancer*
1:45 PM to 2:30 PM	**Dr. Yella Goud Thandu** Professor, Agriculture College, Jagityal	*Nano Technology Based Plant Disease Management- Current Status and Its Future*
2:30 PM to 3:15 PM	Dr**. S. Triveni** Associate Professor, University Head, Dept. of Agricultural Microbiology & Bioenergy, PJTSAU	*Plant genetics for modulation of crop microbiomes*
3:30 PM to 4.30 PM	Oral and Poster Session	*ABT-PP1 to ABT-PP ABT-OP1 to ABT-OP6*
Morning Session: 11:15 AM to 12:05 PM, Venue: Xavier Hall **Theme:** Green and Sustainable methods in Chemical Sciences and Technology (CST)		
11:15 AM to 12:05 PM	**Dr. P. Bakka Reddy** Executive Director, Jeedimetla Effluent Treatment Ltd., Hyd	*Environmental Protection - Industrial wastewater Management*
Afternoon Session: 1:15 PM to 4:30 PM, Venue: Xavier Hall **Theme:** Green and Sustainable methods in Chemical Sciences and Technology (CST)		
1:15 PM to 2:15 PM	**Dr. P. Leelavathi** Professor, Dept. od Chemistry, University College of Science, Osmania University, Hyderabad	*2-Chloro-3-formylquinoline: A convenient precursor for the synthesis of newer fused heterocycles of biological interest*
2:30 PM to 4:30 PM	Oral and Poster Session	*CST-PP1 to CST-PP CST-OP1 to CST-OP6*
Morning Session: 11:15 AM to 12:05 PM, Venue: Loyola Hall **Theme:** Newer Challenges in Innovative Food Processing and Nutrition to Provide Safe and Right Food (FST)		
11:15 AM to 12:05 PM	**Dr. C. Anjali Devi (Retd)** Dept. of Food and Nutrition, Osmania University	*Food fortification- it's role in Nutrition*
Afternoon Session: 1:15 PM to 4:30 PM, Venue: Loyola Hall **Theme:** Newer Challenges in Innovative Food Processing and Nutrition to Provide Safe and Right Food (FST)		
1:15 PM to 2:15 PM	**Dr. A. Uma** Associate professor Jawaharlal Nehru Technological University	*Food fortification and value-added cereal and millet-based products*
2.30 PM to 3.30 PM	**Dr. Naveen Kumar. R** Scientist, National Institute of Nutrition	*Use of lytic phages for bio food preservation*
3.30 PM to 4:30 PM	Oral and Poster Session	*FST-PP1 to FST-PP*

		FST-OP1 to FST-OP6

INTERDISCIPLINARY INTERNATIONAL CONFERENCE ON CURRENT TRENDS IN APPLIED SCIENCES-2022 (IICCTAS-2022)

Day: 3 **PROGRAMME SCHEDULE (ONLINE SESSIONS)** **September 3, 2022**

Time and Venue	Speakers	Title
Morning Session: 10:00 AM to 12:00 PM, Online **Theme:** Advances in Agriculture and Biotechnology for Sustainable Development (ABT)		
10:00 AM-11.00 AM	**Ms. Namami Gaur** Ph.D. Research Scholar James Hutton Institute, University of Dundee	Plant aphid interaction
11:00 AM-12.00 PM	**Dr. N. Nagesh,** Chief Scientist and Project Leader, CCMB	*Specific interaction of small synthetic molecules with the promoter region of oncogenes*
Afternoon Session: 1:00 PM to 2:00 PM, Online **Theme:** Advances in Agriculture and Biotechnology for Sustainable Development (ABT)		
1:00 PM to 2:00 PM	**Dr. B. Kalpana** K.S. Ranga Swamy College of Technology, TN	*Exploring The Potential Microbiome for Sustainable Development Through Next Generation Sequencing*
2:00 PM to 3:00 PM	**Dr. Solomon Balemi** Director of Academic Affairs, Salale University, Ethiopia	*Agriculture and ecological damage and the role of biotechnology*
3:00 PM to 4:00 PM	Oral and Poster Session	*ABT-OP1 to ABT-OP6*
Morning Session: 10:00 AM to 12:00 PM, Online **Theme:** Green and Sustainable methods in Chemical Sciences and Technology (CST)		
10:00 AM to 11:00 AM	**Dr. Anjoy Majhi** Assistant Professor Presidency University, Kolkata, India	*Design and Development of Novel Small Molecule and Biophysical Studies-Bioinformatics for Drug Designing Process*
11:00 AM to 12:00 PM	**Prof. Rakesh Kumar** Rajiv Gandhi Institute of Petroleum Technology (RGIPT), Jais, Amethi, UP-IND	*CO_2 Capture using deep eutectic solvents*
Afternoon Session: 1:00 PM to 4:15 PM, Online **Theme:** Green and Sustainable methods in Chemical Sciences and Technology (CST)		
1:10 PM to 2:00 PM	**Dr. Katta Venkateswarlu,** Associate Professor Yogi Vamana University, AP	*Application of pomegranate peel as a catalyst to the synthesis of quinoxalines*
2:15 PM to 3:15 PM	***Dr. Satya Kumar Avula*** Sultanate of Oman, Oman	*Isolation and Synthesis of Some Bioactive Natural Products*
3:15 PM to 4:15 PM	**Dr. Venugopal Nulu** Inje University, Republic of Korea	*Nanostructured Materials for Li-ion Rechargeable Batteries*
Morning Session: 9:30 AM to 11.30 AM, Online **Theme:** Newer Challenges in Innovative Food Processing and Nutrition to Provide Safe and Right Food (FST)		
9:30 AM to 10.30 AM	**Dr. P Ravindra** Professor, Head of Chemical Engineering Department, Director of Smart Research Centre for Life Sciences	*Artificial Intelligence in Food Industry*
10:30 AM to 11:30 AM	**Dr. Mahendra K. Verma** American University School of Medicine, Aruba	*Functional Foods and Neutraceuticals*
11.30 PM to 4:30 PM	Oral and Poster Session	*FST-OP1 to FST-OP6*

CONCLUSION OF THE SESSIONS

INTERDISCIPLINARY INTERNATIONAL CONFERENCE ON CURRENT TRENDS IN APPLIED SCIENCES-2022 (IICCTAS-2022)

INTRODUCTION

A three-day interdisciplinary international conference on current trends in applied sciences is aimed to provide an opportunity for interaction among academicians, researchers, and students.

AIMS & OBJECTIVES

The main objectives of this conference are: To provide a gateway to enhance knowledge, promote the scientific temperament, highlight recent trends and issues in research areas of applied sciences and encourage future institutional collaborations across various disciplines

OUTCOME

It is expected that this international conference will contribute to updating knowledge in various branches of applied sciences and encourage young researchers to take up the current challenges in the same domain. It also provides a platform to investigate problems in interdisciplinary fields leading to collaborative research. The conference will embrace the keynote address, invited lectures, oral presentation, and poster presentation on various sub-themes pertaining to the three major themes.

PURPOSE & BENEFIT

To bring together innovative academics and industrial experts in the field of "Interdisciplinary Academic Research and Innovation" to a common forum. Helps Advance Critical Thinking and Cognitive Development.

DAY 1: 1ST OF SEPTEMBER 2022

INAUGURAL SESSION

Prayer Song: Before the event commencement the Emcee reminded the audience about the importance of prayer and God's presence in our lives. College choir sang a song of prayer invoking God's name and requesting God's presence and guard over the event.

Semi Classical Dance: a semi classical dance was performed by the Loyola Academy dance group.

Lighting of lamp:

Traditional and auspicious lamp lighting ceremony as a tribute to the goddess of knowledge was done by the dignitaries.

Address by Rev. Fr. CH Amara Rao SJ, Rector and Correspondent: He blessed the gathering by focusing on the opportunities in current days technology development, considered this conference as the ray of hope for the students, on behalf of management congratulated and motivated the students to make use of the opportunity provided.

Welcome address by Rev. Fr. Dr. L. Joji Reddy SJ, Organising Chairman & Principal, Loyola Academy

Rev. Fr. Dr. L. Joji Reddy SJ

Welcomed the distinguished guests, spoke on development Agriculture and remarkable achievements in various volution in India like green volution, blue revolution, white revolution, yellow revolution, golden revolution and silver revolution. Extended warm welcome to everyone motivated the participants to acquire plenty of knowledge from this conference.

Conference Opening: By the Principal, Rev. Fr. Dr. L. Joji Reddy SJ

Address by Rev. Fr. Joseph Kumar SJ, Vice-Principal: He highlighted the applications of applied sciences in various fields like pharmacy, technology sector, cyber security etc.

Address by Rev. Fr. Arul Jothi SJ, Vice-Principal: He explored the "science is not science if it does not change according to time and challenges" urged the students to work together and make contributions to make human life much better, also quoted "need of the hour is not

only science for the mind but also science for the heart". He also highlighted on 3 issues a) environmental issues b) humanitarian crisis c) sustainable development.

Address by Mr. P V Ravikumar, (Chief Guest) Chairman, Dhana Crop Sciences Ltd., Hyderabad

Mr. P V Ravikumar:

Points covered in his speech

- Briefed about the factory and its establishment
- Manufacturing process of organic products

Dr. Sanjiv Kumar, (Guest of Honour) Scientist H, Head, NCCCM/ BARC-Hyderabad

Dr. Sanjiv Kumar, (Guest of Honour):

In his speech, he appreciated the contribution of Loyola alumni interning with NCCCM/BARC- Hyderabad.

Dr. N. Sreerama Reddy, (Guest of Honour) Director of Technical Sahasra Crop Sciences Pvt. Ltd., Hyderabad

Dr. N. Sreerama Reddy, (Guest of Honour):

He spoke on future of farming, minimal use of chemical fertilizers, nutrients, development of agricultural technology i.e., Sensors helpful for farmers to fight climate issues, loss of biodiversity, soil erosion etc.

Felicitation of the Guests: management members felicitated the dignitaries by presenting a plant, shawl and memento.

Dr. P Thirupathi, Dean of Sciences (Convener of the Conference)

Dr. P. Thirupathi, Convener-IICCTAS- 2022:
He briefed about the proceeding of conference and said that it was based on three themes.

Keynote Address (Morning Session): Organic farming-The way forward by Dr. N. Sreerama Reddy Director Technical Sahasra Crop Sciences-Pvt. Ltd. Hyd.
Key points: Mega trends in Indian agriculture, green revolution in India, natural and organic farming, virtual water, impact on soil health, innovative approaches to organic farming.

Dr. N. Sreerama Reddy

Director Technical Sahasra Crop Sciences-Pvt. Ltd. Hyd.

New Approaches Towards Natural and Organic Farming:

He conveyed that organic farming is an agricultural approach that advocates healthy products free from components that may harm humans and nature. They include but are not limited to industrial pesticides, insecticides, fertilizers, clones, GMOs, chemical medications, hormones, growth - boosters, etc. Organic agriculture has grown out of the conscious efforts by inspired people to create the best possible relationship between the earth and men. Since it beginning the sphere surrounding organic agriculture has become considerably more complex.

New techniques:

- Stock free organic agriculture
- Featured bio-diversity
- Use of biofertilizers and microbial cultures
- Other biodynamic preparation

AGRICULTURE AND BIOTECHNOLOGY THEME

ADVANCES IN AGRICULTURE AND BIOTECHNOLOGY FOR SUSTAINABLE DEVELOPMENT

SUB-THEME

Current research trends in nano technology, molecular modeling and drug designing ,advances in genomics and proteomics, advances in plant and animal biotechnology, innovative approaches for crop improvement and allied sciences, innovative approaches for crop protection (diseases and pest management), new approaches towards natural and organic farming, innovative approaches for production technologies of cereals, pulses, fruits and vegetables, new approaches for farmers, agricultural marketing export entrepreneurship development.

V. Jagannadham

V. Jagannadham
School of Life Sciences, University of Hyderabad

Proteomics A Powerful Technology to Understand Biology

Proteomics, generally regarded as the comprehensive study of the expression of all the proteins at a particular time in different organs, tissues, and cell types is a key enabling technology for the systems biology approach Proteomics doesn't only reveal information about life's complexity, however; it also provides insight into the vibrancy of cells and their preparedness to react. Cells and tissues respond to signals and changes in their environment, and changes in the proteome must mirror that.

Dr. Samuel Sparjan Babu

Dr. Samuel Sparjan Babu
Head R&D Sahasra crop Sciences, Hyderabad

Current Research Trends in Nanotechnology

Current Trends in Nanotechnology aims to bring ongoing research work and study for all readers through online open access. Journal plays a major role in providing a platform for all the scientists, research scholars and students in the fields of nanotechnology. The Journal mainly covers the wide range of studies related to Nanobiopharmaceutics, Nano-biotechnology, Nano-cars, Nano-composites, Nanoelectronics, Nano-engineering, Nano-fabrications, Nanofluidics, Nano-hedron, Nano-ionics, Nanolithography, Nano-medicine, Nano-particles, Nanotechnology, Nano-thermite, Nano-toxicology, Nano-tubes, Supramolecule.

DAY 2: 2nd of SEPTEMBER 2022

Dr. Nandita Sethi

Dr. Nandita Sethi
Founder & MD, The Entrepreneur Zone (TEZ), Hyderabad.

IPR's and Entrepreneurship

Intellectual Property rights (IPR) allow innovative entrepreneurs to protect their inventions & new business ideas. IPR also helps the firms to recoup their innovation investment and consequently provides an incentive for investing in innovation.

Intellectual property protection is critical to fostering innovation. Without protection of ideas, businesses and individuals would not reap the full benefits of their inventions and would focus less on research and development

Dr. Brajendra

Dr.Brajendra
Indian Institute of Rice Research (IIRR), Telangana

Recent advances in Soil Health Management

The concept of soil health evolved from soil quality, a previous soil science discipline that was intensively studied before the new millennium

Natural soil is an ecosystem consisting of minerals, organic matter (OM), living organisms, water, and air and maintaining an unceasing flow of matter and energy within and with the surrounding environment via various physical, chemical, and biological processes.

Dr. A Sandhya

Dr. A Sandhya
Asst.Professor, Dept of Genetics, O.U. Hyd

Drug Resistance and Novel Therapies for Cancer

There has been huge progress in the discovery of targeted cancer therapies in recent years. However, even for the most successful and impactful cancer drugs which have been approved, both innate and acquired mechanisms of resistance are commonplace. These emerging mechanisms of resistance have been studied intensively, which has enabled drug discovery scientists to learn how it may be possible to overcome such resistance in subsequent generations of treatments. In some cases, novel drug candidates have been able to supersede previously approved agents; in other cases, they have been used sequentially or in combinations with existing treatments.

Yella Goud Thandu

Professor, Agriculture College, Jagityal

Nano Technology Based Plant Disease Management- Current Status and Its Future

Phytoviruses are highly destructive plant pathogens, causing significant agricultural losses due to their genomic diversity, rapid, and dynamic evolution, and the general inadequacy of management options. Although an increasing number of studies are being published demonstrating the efficacy of engineered nanomaterials to treat a range of plant pathogens, very little work has been done with phytoviruses. Plant disease is a major problem for production, and the decrease in crop yield is the worst outcome of these diseases. Some environmental factors can help relieve the effect of disease directly or indirectly. Growing

research in nanotechnology has resulted in development of several nanomaterials that can be applied in various fields of industry.

Dr. S. Triveni

Dr. S. Triveni
Associate Professor, University Head, Dept. of Agricultural Microbiology & Bioenergy, PJTSAU

Plant genetics for modulation of crop microbiomes

Currently, the most common method of microbiome manipulation is inoculation of beneficial organisms or engineered communities; however, these methods have been met with limited success due to the difficulty of establishment in complex farm environments. Here we propose genetic manipulation of the host plant as another avenue through which microbiomes could be manipulated. We discuss how domestication and modern breeding have shaped crop microbiomes, as well as the potential for improving plant-microbiome interactions through conventional breeding or genetic engineering.

Poster and oral presentations

Total 35 students and research scholar have presented their posters during the conference, 8 oral presentations from different institions have presented.

DAY 3: 3rd of SEPTEMBER 2022

Ms. Namami Gaur

Ph. D. Research Scholar James Hutton Institute, University of Dundee

Plant aphid interaction

Aphids have intimate associations with their hosts to gain access to nutrients. Aphids are sap-feeding insects that induce extensive feeding damage, achieve high population densities and transmit economically important plant diseases worldwide.

Aphids are important herbivores and important pest of May field and forest crops. They have specialized long and flexible stylets which are adapted to feeding on phloem sap. To establish successful feeding on host plant, they need to counter a range of both physical and chemical defenses.

Dr. N. Nagesh

Chief Scientist and Project Leader, CCMB

Specific interaction of small synthetic molecules with the promoter region of ontogenesis Oncogenes in their proto-oncogene state drive the cell cycle forward, allowing cells to proceed from one cell cycle stage to the next. This highly regulated process becomes deregulated due to activating genetic alterations that lead to cellular transformation

When a proto-oncogene mutates (changes) or there are too many copies of it, it becomes a "bad" gene that can become permanently turned on or activated when it is not supposed to be. When this happens, the cell grows out of control, which can lead to cancer.

Dr. B. Kalpana

K.S. Ranga Swamy College of Technology, TN

Exploring the Potential Microbiome for Sustainable Development through Next Generation Sequencing. Next-generation sequencing (NGS) is a massively parallel sequencing technology that offers ultra-high throughput, scalability, and speed. The technology is used to determine the order of nucleotides in entire genomes or targeted regions of DNA or RN Online oral presentations are continued after keynote sessions

Conference summary and conclusion: Mr. Y. Satish,

HOD- Agricultural Dept.

FOOD SCIENCE AND TECHNOLOGY THEME

NEWER CHALLENGES IN INNOVATIVE FOOD PROCESSING AND NUTRITION TO PROVIDE SAFE AND RIGHT FOOD

SUB-THEME

Nanotechnology in the food industry, The effect of food packaging materials on the environment, Quality assessment and sensory evaluation of processed foods, Effect of microbes on locally made fermented beverages, Enhancement of nutritious food by using food waste by-products, Functional foods, and nutraceuticals, Challenges, and opportunities in cloud kitchen, Solar processing for value addition of fruits and vegetables, Food fortification and value-added cereal and millet-based products, Newer approaches in food science nutrition and Technology.

DAY 1: 1ST OF SEPTEMBER 2022

Keynotes:

Speakers for day 1: Dr. Vijaya Khader & Dr. Rudrayya Math

Dr. Vijaya Khader, Professor, Former dean, Acharya Nagarjuna University, started her speech with the quote “I am quite convinced that India today progress can be and should be measured by the progress of the women in India” _Jawaharlal Nehru. The Theme Economic Empowerment of Women through the Application of Science & technology for food, Nutrition, health, and livelihood security was inspiring, we gained a lot of knowledge and information. She also added that the promotion of malt-based small scale food industry not only provides an opportunity for rural women to develop entrepreneurship and employment but also provides food and nutritional security through income generation. Several technologies were developed under NATP like value addition to fish and prawn products, artificial pearl culture, and processing of salted fish, which helped the self-help group women of Andhra Pradesh, Karnataka, Kerala, and Tamil Nadu to improve their economic status.

Received two patents and licensed the technology which helped the women to reduce their drudgery and also preserve the fresh fish for a longer time without getting spoiled. Product development can be taken as income-generating activity in rural areas by illiterate women. Products can be included in supplementary feeding programs in order to improve the nutritional status of the vulnerable groups of the population. The horse gram which is commonly used for cattle feed can be diversified for human consumption with less investment. Mothers as well as Anganwadi workers preferred amylase-rich supplementary foods which reduced Grade 3 and grade 4 malnutrition in Preschool children significantly. The studies revealed that spawn multiplication can be done by women as a cooperative venture and mushroom cultivation can be undertaken at the household level as an income-generating activity. Introducing red palm oil is beneficial to overcome vitamin A deficiency. The impact of women‟s supplementary income on the family‟s nutritional status showed that the supplementary income of women has a positive impact on the socioeconomic status of the family. This impact is particularly felt on the food and nutrient intake of the family contributing to food and nutrition security.‟ It was a privilege having her as a part of our seminar. MS. Anusha HOD of Dep of Food Technology and Management and Ms. Glory HOD of Food Science & Nutrition has presented a shawl and memento to Dr. Vijaya Khader.

Dr. Rudrayya Math Retd

Head,Scientist, Senior Principal, CSIR-CFTRI RC. Hyderabad

He was our 2nd Speaker of the day; Sir has given a speech on the theme of Solar Processing for the value addition of fruits and vegetables. He addressed a few improved technologies and methods of dehydration. Sir has mainly focused on the current issues and technologies including fruits and vegetables, adding to the points sir has also addressed the issues of solar processing and gave brief information about the solar processing for value addition of fruits and vegetables. Ms. Kiran Kumari faculty of the Dept of Food Technology & Management has presented the memento and shawl. The session ended with the vote of thanks.

Oral presentations – Day 1

After completion of a successful program, the next step was the oral presentations; our first presenter was Dr. A. Surendra babu from Malla Reddy university, Development and nutritional evaluation of functional cookies incorporated with onion waste was presented and included a lot of analytical information, D. Kodandaram Reddy has presented on the topic „Utilization of infrared heating as an alternative thermal source-newer approach in food science, nutrition, and technology. Nasreen Fathima student of GMER has given her presentation on the topic „Effect of microbes on local fermented beverages" Later Ragini Eangoval presented on the topic Development of designer foods from underutilized leaves and the day ended with a vote of thanks.

-END-

COMMON SESSION

DAY 2: SEPTEMBER 2, 2022

After one successful day, the second day of the seminar began at 10:00 am, host for the day was Ms. Vasudha Kadhuri and Ms. Glory

Keynotes:

Speakers for day 2: Dr. Nandita Sethi, Dr. C. Anjali Devi (Retd), Dr. A. Uma & Dr. Naveen Kumar. R

Dr. Nandita Sethi Founder & MD, The Entrepreneur Zone (TEZ), Hyderabad has given a speech on IPRs and Entrepreneurship (Intellectual property rights & Entrepreneurship), she addressed, WTO norms to be followed, a brief on plagiarism, economic and moral rights, including Amarnath Sehgal case. Layout and design IC was discussed. Other things which were discussed were Industrial property, patents & utility models geographical indication NFT (Non-Fungible token), and traditional knowledge. Ms. Sirisha & Ms. Saritha has presented the shawl and memento.

Dr. C. Anjali Devi (Retd) Dept. of Food and Nutrition, Osmania University has given her speech on Food fortification -Its role in nutrition, initially she gave a brief of the abbreviation and basic definitions and then addressed what is the need for fortification of foods, she also included the health benefits and other advantages of food fortification/ fortification of food, added to that she also included the importance of folic acid to the pregnant children and older, she concluded saying the importance of fortification. Ms. Anusha & Ms. Glory has presented the memento and shawl

Dr. A. Uma Associate professor, CBT-IS Jawaharlal Nehru Technological University has given a speech on the theme Nutritional value of Cereals & Millets, She gave a brief about the advantages and disadvantages of cholesterol and calcium, adding to the points she mentioned that calcium has properties which make plaque in arteries and also reduces the para thyroid hormone attack, bones leading to loss of calcium stores and other disadvantages of copper and chromium were also discussed, brief of staple foods were also included. She described food fortification and the tiny content of micronutrients antioxidants present, and antioxidants including beta carotene vitamin C and polyphenolics we discussed.

A brief about value ordered products of serial and millet based were discussed and also the benefits of food fortification including no change in color and flavor and also which alters in eating habits which is safe and also cost efficiency, Ms. Kiran Kumari & Ms. Sarala has presenter the memento and shawl to the speaker.

Dr. Mahendra K. Verma American University School of Medicine, Aruba Functional Foods and Nutraceuticals has given a speech on Functional foods and nutraceuticals initially he described what are lytic phages for bio food preservation he gave a brief about salmonella in food and how to kill salmonella as it is a culprit for the food spoilage. He also gave a brief about bio food preservation, food brand diseases and diarrheal disease He concluded with the importance of preservation of food by the mentioned methods. Mr. Gladvin & Ms. Nikitha presented the memento to the speaker.

Oral & Poster presentations – Day 2

Mr. Adhitya has presented on the topic of food fortification- its role in nutrition: betel leaf jam. Ms. Phani Sudheer presented on the topic of Isolation and identification of probiotic bacteria from toddy palm nectar and its antibacterial activity, then Ms. Sunitha Angothu presented on the topic of Cabinet acrylic shade drying techniques for drying curry leaves, Ms. Saikalyani Kasarabada has presented on the topic Improve Nutritional Status and Hunger, Ms. Malathi Syamala has presented on the topic Effect of satvik diet on –PCOS, Ms. Poonam Singhal has presented on the topic antioxidant activity on bamboo shoots Ms. SARITHA Jukuri has presented a poster on Study on microwave vacuum drying kinetics of Carica papaya leaves, Ms. D. Rachana & L. Vidya has presented a poster on Air protein as a newer approach in food technology, S. Vaishnavi & D Chaya Sri has presented a poster on Fortification and its applications The day ended with the vote of thanks.

Keynotes:

Day 3: September 3, 2022

Speakers for day 3: Dr. P Ravindra & Dr. Mahendra K. Verma

CHEMICAL SCIENCES AND TECHNOLOGY THEME

GREEN AND SUSTAINABLE METHODS IN CHEMICAL SCIENCES AND TECHNOLOGY

SUB-THEME

- Eco-friendly organic synthesis
- Biomass utilization
- Waste utilization-reuse, reduce, recycle, etc.
- Catalysis- Homogeneous, Heterogeneous & Phase Transfer Catalysis in Organic Transformations
- Adsorption-Removal of dyes, volatile organic compounds, etc.
- CO2 sequestration- CO2 capture and utilization
- Computer-aided drug design
- Biofuels Production- Biodiesel, Bioethanol, Bio methanol production, etc.
- Modeling and Simulation Studies- Aspen Plus, COMSOL Multiphysics, etc.
- Enhanced Oil Recovery (Petroleum)
- Energy Storage- crystallization, phase change materials, salt hydrates, etc.
- Safety in the chemical process industry
- Nano-green technology

DAY 1: SEPTEMBER 1, 2022

Time: 1:30 PM to 4:30 PM

Venue: Loyola Hall

Dr. Sanjiv Kumar

Head, NCCCM/BARCNCCCM, Hyderabad

Spoke on Material Characterization of Surface Analytical Techniques-Recent Advances

Key points: surface analysis of material, depth profiling, surface analytical techniques; XPS, ESCA, AES, SIMS, RBS, NRA, IBA.

Dr. Raju Jannapu Reddy

College of Science, Osmania University

Spoke on (E)-Iodovinyl Sulfones: A Versatile Building Block in Organic Synthesis

Key points: Organo sulphur chemistry and its role in drugs, agriculture industries, beta-iodovinyl sulfones, chemistry of garlic, onion, mechanisms etc.

- Shanmukhi from M.Sc. Organic Chemistry proposed the vote of thanks for Dr. Sanjiv Kumar
- Sandhya kumari from M.Sc. Organic Chemistry proposed the vote of thanks for Dr. Sundergopal Sridhar
- Priyadarshini from M.Sc. Organic Chemistry proposed the vote of thanks for Dr. Raju Jannapu Reddy

DAY 2: SEPTEMBER 2, 2022

Morning Session: 11:15 AM to 12:05 PM Venue: Loyola Hall

Dr. P. Bakka Reddy

Executive Director Jeedimetla Effluent Treatment Ltd., Hyd

Spoke on Environmental Protection - Industrial Wastewater Management

Key points: conserving natural resources, environmental pollution, liquid waste pollution and its characteristics, types of pollution and its impact, cloud bursting, categorisation of waste water, recovery and reuse of waste.

Afternoon Session: 1:15 PM to 4:30 PM

Dr. P. Leelavathi

University College of Science, Osmania University, Hyderabad

Addressed on 2-Chloro-3-formylquinoline: A convenient precursor for the synthesis of newer fused heterocycles of biological interest

Key points: Quinoline and its biological significance, synthesis of newer fused quinoline, 1,2,3,4 series.

Vote of Thanks

Sithara from B.Sc. Chemical Technology proposed the vote of thanks for Dr. P. Bakka Reddy
Nikhila from M.Sc. Organic Chemistry proposed the vote of thanks for Dr. P. Leelavathi

Oral and Poster Presentation: Day 2 programme ended with Oral and Poster Presentation, 2 faculty, 1 research scholar, and 19 students participated in the same

DAY 3: SEPTEMBER 3, 2022(Online)

Time: 10 AM to 4:30 PM

Morning session

Dr. Anjoy Majhi

Sr. Asst Professor in Presidency University, Kolkata

Spoke on Design and Development of Novel Small Molecules and Biophysical-Bio informatics Studies for Dry Designing Process

Key points: Focussed on Flouroscent probe,CDs & Micelles and drug delivery carrier, Bio Informatics in Dug design, DOCKING , and his recent modifications on Vorinostat (SAHA), Treatment of Parkinson‟s disesase & Triazole based compounds

Dr. Rakesh Kumar

Associate professor in Rajiv Gandhi Institute of Petroleum Technology Mubarakpur Mukhatiya, Harbanshganj

Addressed on CO2 CAPTURE USING DEEP EUTECTIC SOLVENTS

Key Points: Global Warming and Effects of Global Warming, Carbon Storage, carbon dioxide Seperation process, Conventional solvents for Carbon dioxide absorption,ILs & its structures, Deep eutectic solvents , preparation of DES & its experimental setup, phase diagram thermodynamics, Feed gas specification

Vote of Thanks

- Ms. Althea Narcis from Msc. Organic Chemistry Proposed the Vote of Thanks to Dr. Anjoy Majhi
- Dr. Zakir Hussain HOD of CST proposed the vote of thanks to Dr. Rakesh Kumar.

Afternoon Session

Time: 1:15PM to 4:30PM

Dr.P. Vasu Govardhana Reddy

Associate Professor in Yogi Vemana University Kadapa.

Spoke on Stereoselective synthesis of bis- 2 hydroxy carbazoles via asymmetric oxidative coupling reaction

Key points: Introduction to Axial chirality, Introduction to Oxidative Coupling Reactions, Enantioselective Oxidative homo coupling reactions, results and Discussions of bis Carbazoles,
Enantioselective Synthesis of 1,1‟-Bicarbazole-2,2‟-Diols (Bis 2-hydroxy carbazoles), Synthesis of bismurraquinone carbazole natural products, Summary and conclusion

Dr. Satya Kumar Avula

Sultanate of Oman

Spoke on Isolation and synthesis of Some Bioinactive Natural Products

Key Points: Medicinal uses of Boswellia and its Disease problems, Isolation of Bioactive Natural Products, Different types of Boswellic acids etc.

Dr. Vijay Kumar

Toutam principal Scientist, Advanced Materials and Device Metrology Division, CSIR – National Physical Laboratory

Spoke On Additive Manufacturing: On interdisciplinary field with potential applications in Agriculture and Food sector

Key Points: Focused mainly on Advanced Materials and its techniques which shows in 3D Structures & in Food Sector, Soil erosion

Vote of Thanks

- Asif from CST proposed the Vote of Thanks to Dr. P. Govardhana Reddy.
- Mary Sai priya from Msc. Organic Chemistry proposed the Vote of Thanks to Dr.Satya Kumar Avula.
- CH. Kavya from Msc. Organic Chemistry proposed the Vote of Thanks to Dr. Vijay Kumar Toutem.

6. 7th National Asian PGPR Conference for Sustainable & Organic Agriculture

Introduction

The Asian PGPR Society is a non-profit scientific society established in 2009 to enable scientists, researchers, academicians, government groups, students, farmers and industry personnel etc. The society has established its chapters in different Asian Countries to promote its vision towards sustainable and organic agriculture to support next generation green revolution.

Aims & objectives

The main objectives of this conference are: To provide an access to enhance knowledge, promote the scientific nature, show up recent trends and issues in research areas of applied sciences and support future institutional collaborations across various disciplines.

Outcome

It is expected that this national conference will contribute to updating knowledge in various branches of applied sciences and encourage young researchers to take up the current challenges in the same domain. India Chapter is dedicated in promoting PGPR strategies to support next generation green revolution in food production and safety across India to reach the-unreached. . It has around 1500 registered life members from around the globe and is growing. PGPR's (Bio fertilizers, Bio fungicides, Bio stimulants, Bio Solutions, Biological) are plant growth-promoting rhizobacteria defined as root-colonizing bacteria that exert beneficial traits on plant-growth and development.

Purpose & benefit

To bring together innovative academics and industrial experts in the field of "Interdisciplinary Academic Research and Innovation" to a common forum. Helps advance critical thinking and cognitive development.

The seminar took place at Inigo Hall on 5th 6th September from 10:00 am to 4:30pm and was successfully guided by Principal Rev. Fr. Dr. L. Joji Reddy SJ, Organizing Chairman & Principal, Loyola Academy, Rev. Fr. Joseph Kumar SJ, Vice-Principal (PG), Rev. Fr. Arul Jyoti SJ, Vice-Principal (UG), Head of the department (HOD), lecturers and staff. The seminar was carried out as per the schedule.

Asian PGPR society for sustainable agriculture

The Asian PGPR Society is a non-profit scientific society established in 2009 to enable scientists, researchers, academicians, government groups, students, farmers and industry personnel etc. from various agricultural disciplines to discuss their interests and research avenues towards latest developments of PGPR from microbe to microbiome technologies with

commercialization aspects. It has around 1500 registered life members from around the globe and is growing. PGPR's (Biofertilizers, Biofungicides, Biostimulants, BioSolutions, Biologicals) are plant growth-promoting rhizobacteria defined as root-colonizing bacteria that exert beneficial traits on plant-growth and development. In the context of an increasing international concern for food and environmental quality, the use of PGPR for reducing chemical inputs in agriculture is a potentially important issue. The application and commercialization of PGPR for sustainable agriculture is a growing and demanding market world-wide. The Asian PGPR Society organizes international conferences every two years, to provide a venue for all players in the PGPR industry to meet, share, and learn about the latest game-changing innovations, cutting-edge technologies, and crucial government policies shaping the future of the globe's sustainable agriculture. Over the years, the society have organized sixAsian PGPR International Conferences includes, India (2009), China (2011), Philippines (2013), Vietnam (2015), Indonesia (2017) and Uzbekistan (2019). The next conference is going to be held in KL, Malaysia on August 23-26, 2022.

India chapter of Asian PGPR society

As a subsidiary to Asian PGPR parental society, India Chapter is dedicated in promoting PGPR strategies to support next generation green revolution in food production and safety across India to reach the-unreached. India Chapter organizes its national conferences every year. Over the years it has organized six national conferences which include Uttar Pradesh (2016), Gujarat (2017), New Delhi (2018), Mizoram (2019), Andhra Pradesh (2020), and Bhopal (2021) with tremendous participation from all over India. Owing to its tradition, the 7th Asian PGPR India Chapter national conference is going to be held on September 5-6, 2022 at Loyola Academy in Secunderabad, Telangana State.

7th National Asian PGPR Conference for Sustainable and Organic Agriculture, Loyola Academy

PGPR Strategies to Support Next Generation Green Revolution in Food Production

Day1 (05thSeptember 2022)
Registrations: 08.00-10.00AM

Inaugural program: 10.00 am – 11.30 AM **High Tea follows**

Timings	Speaker	Title of presentation
Keynote Lecture:		
11.30-12.00 noon	**Prof Appa Rao Podile** Former VC, UoH Senior Professor Department of Plant Sciences School of Life Sciences University of Hyderabad	Emerging microbiome-based technologies for sustainable agriculture

Technical Session- I Regenerative agriculture: PGPR for Soil and Plant Health Chairing session: Prof. Meenu Saraf and Dr. Annapurna

Timings	Abstract No.	Speaker	Title of presentation
Lead Lectures:			
12.10-12.30PM	APL-9	**Dr. Krishna Kumar** Honorable Vice Chancellor Dr..R P Central Agricultural University, Bihar, India	Scope and prospects of Plant Growth Promoting Microorganisms (PGPM) for promoting Natural Farming. For soil health management
12.30 -12.50 PM	APL70	**Ms. Rama Lakshmi IFS(Rtd)**	Plant Growth Promoting Rhizobacteria in Sustainable Forestry and Agroforestry Ecosystems to empowerment in India–

Oral Presentations:			
12.50-01.00PM	APL-2	**Dr. K. Krishna Mohan**, G. Ashoka Chakravarthy	Effect of bio-stimulants on Growth, development and
		Saritha, Dr. T. Chandrashekhar and Y. Satish	Yield of Tomato (Lycopersiconesculentum L.)
01.00-1.10 PM	APL-6	**Dr. Y. B. Naveesh, M.K. Naik, M.Y. Sreenivasa, B. Gangadhara naik, Suresh D. Ekbote, Nagarajappa Adivappar, Pruthviraj**	Biological control and plant growth promoting activity of probiotic lactic acid bacteria isolated from fruits against chilli wilt disease (Fusarium solani)
01.10-1.20PM	APL-53	**Dr. K. Sudha Sundari**	Soil analysis for enhancing Crop productivity in a sustainable way
1.20 -1.30 PM	APL-64	**S. Adeeb Mujtaba Ali, Bee Hameeda**	Bioactive molecules from Bacillusspp and their ISR Effect on Maize

Lunch: 1.30-2.30PM

Posters: 2.00-3.00 pm (Day1: APL3 toAPL45)

Technical Session- II A Agriculturally Important Microorganisms and Mitigation to Climate Change II B Plant microbe interactions
Chairing session: Dr. Krishna Kumar, Prof Naveen Kumar Arora

Timings	**Abstract No.**	**Speaker**	**Title of Presentation**
Lead Lectures:			
03.00-3.20 PM	APL-96	**Prof. Rana Pratap Singh** Dean Academic Affairs and Director IQAC Babasaheb Bhimrao Ambedkar University, Lucknow	Designing climate resilient microbial and crop communities for ecological restoration of degraded soil and economic gains to farmers.
03.20 – 03.40PM	APL-98	**Dr. Manjunath. M,** Scientist, CRIDA	Beneficial microorganisms for Rain fed agricultural production

03.40-4.00PM	APL-76	**Dr. Subhadeep Chatterjee** Head, Laboratory of Plant-Microbe Interactions CDFD, Hyderabad	Understanding the social language of bacteria: Speakornotto speak?
04.00 – 04.10PM: Tea			
***Oral presentations: II*-A (AgriculturallyImportantMicroorganimsandMitigationtoClimateChange)**			
04:10-04:20PM	APL-22	**Smitha Thomas**, Lizzy Mathew and K.S. Rishad	Isolation and Screening of Plant growth promoting rhizobacteria from Rhizospheric soils of different vegetables in Kerala
04:20-04:30 PM	APL-23	**V. Suresh., D. Anitha Kumari, A.V.N. Lavanya, M. Hanuman Nayak and A. Mamatha**	Management of anthracnose in greater YAM
04.30 -04.40 PM	APL-74	**Bhaskar Arigela, Vineetha Mogudampally, Dr. Sreerama Reddy Nandela and Dr. Satyanagalakshmi Karri**	Isolation of fungal strain with antimycotic activity against heath Blight disease in Paddy
04:40-04.50PM	APL-79	**Sudheendra A Ashtaputre, Suhasini Shilavant, Shamarao Jahagirdar and V R Kulkarni**	Management of anthracnose of cowpea caused by Colletotrichumgloeosporioides
04.50 – 05.10 PM	APL-10	**Venkatesh Kokila, Radha Prasanna, Shalini Gaur Rudra, Ashwin Katral, Firoz Hossain, Yashbir Singh Shivay, Madan Pal, Awani Kumar Singh**	Cyanobacterial inoculation benefits soil nutrient status and fruit yield and quality underdifferentCO2 environments

Chairing session: Dr. Rana Pratap Singh and Dr. S. Krishna Sundari

***Oral presentations* II-B (Plant microbe interactions)**			
04.10 - 04.20PM	APL-80	**D. Nagaraju** and **C. Manoharachary**	Endophytichyphomycetous fungi associated with some medicinal plants and their role in Plant growth from Telangana state, India

04 .20 -04.30 PM	APL-24	**Rinkal Kachhadia**, Chintan Kapadia, Susheel Singh, Kelvin Gandhi, Harsu Jajda	Identification of Quorum Quenching Signal Molecules from the rhizophericbacteria against soft rot causing pathogen *Lelliottiaamnigena* RCE
04.30-04.40 PM	APL-27	**Chandra Obul Reddy Puli**, Sravani K, Suresh Raju K, Krishna Kumar G, Preetham Naik KT, Nagarathnamma Y, Siva Band Chandra	Multifaceted Roles of Endophytic Bacteria from a Hardy and Resilient Plant *Prosopisjuliflora*
		Sekhar. A	(Sw.) DC
04. 40 -04.50 PM	APL-93	Gurudatt M. Hegde, Sangamitra Aditya, Sindhushree, D. R. Priyanka Jadhava and ShamaraoJahagirdar	Potential biobactererericides: Bacillus subtilis and Pseudomonas fluorescens in plant Disease management -
04.50-05.00PM	APL-28	G.N. Radhika, Pratibha Kulkarni	Microbiome in water as Promising Probioticin Aquaculture (from Mollyfish)for Growth Promoting Rhizobacteria(PGPR) For sustainability

05.00PM: Tea

PM Cultural program

- **Note: The sessions II A and II B will be parallel.**

Day 2 (06th September 2022) Technical Session III: PGPR Technologies for Reclamation of soil Chairing session: Prof. Pratibha Sharma and Dr. KRK Reddy.

Timings	**Abstract No.**	**Speaker**	**Title of presentation**
Lead Lectures			
09:30-09.50	APL-77	Prof. Naveen Kumar Arora Professor, Dean Environmental and Agricultural Microbiology. The School of Earth & Environmental Sciences	Bioremediation of saline agro-ecosystems using plant growth promoting microorganisms

09.50-10:10AM	APL-91	Prof. Krishna Sundari Sattiraju Professor, Biotechnology Department, JIIT, NOIDA	*De novo* research evidences for recruiting pGPM to mitigate residual pesticide toxicityin agriculture soils
Oral presentations			
10.10-10:20AM	APL-78	**Tahmish Fatima** and Naveen Kumar Arora	Application of salt-tolerant plant growth promoting bacteria and their associated metabolites in ameliorating salt-stress in sunflower plants
10.20-10.30 AM	APL-88	**Sakshi Tewari** and Naveen KumarArora	Understanding the direct relationship between salicylicacid and exopolysaccharides in disease management and plant growth promotion
10.30-10.40AM	APL-08	**Jemisha Mistry and Dhruti Amin**	Impact of drought tolerant plant growth-promoting rhizo bacteria on morpho-physiological and yield traits of *Solanummelongena*L. under various water regimes-
10.40-10.50AM	APL-75	**Isha Mishra** And Naveen Kumar Arora	Role of *Pseudomonas putida*BSP9and its biosurfactant in development of bioformulations for biocontrolof Alternariablightin *Brassicajuncea*
10.50-11.00AM	APL-84	**Nishat Khatoon** and Mazharuddin Khan	Isolation and Characterization of abiotic stress to lerantrhizo fungi for Plant growth promoting activities
11.00-11.10 Tea			

Technical Session IV: Traditional and Scientific to Indigenous Knowledge (Farmers interaction) Chairs: Prof MS Reddy

Timings	Abstract No.	Speaker	Title of presentation
11:15-11:25AM	APL-48	Soujanya Yenigalla, **Satish Gadde**	Traditional Indian farming for sustainable health of cattle and soil /LEISA practices for doubling farmers income – a case study
11:25-11:35AM	APL-99	**Jagadeesh Reddy** and M. S. Reddy	Progress of natural farming for Sustainable agriculture in Andhra Pradesh
11.35-1.00 PM		**Ms.Sanjeeta Dhaka** PhD Scholar, Food Science and Nutrition, Maharshi Dayananda Saraswati University, Ajmer, Rajasthan, India	Interaction
		Ms. Bharati, Hyderabad, TS	Interaction
		Mr. Ravisagar, Hyderabad, TS	Interaction
		Ms. G. Sujatha, Viswamatha Farms, AP	Interaction
		Mr. Balaji, Guntur, AP	Interaction
		Mr. Sudhakar Reddy Hyderabad, TS	Interaction

Lunch: 1. 30-2.30PM

Posters: 2.00-3.00 pm (Day2: APL47 to APL103)

Technical Session V-A: PGPR and Emerging technologies

V-B: PGPR strategies and food production Chairing session: Prof. Naveen Kumar A and Prof Riyaz Sayyed

Lead Lectures:			
03.00-03.20PM	APL-63	**Prof. Meenu Saraf** Department of Microbiology and Biotechnology Gujarat University, Ahmedabad, Gujarat.	Exemplifying the role of diazotrophsin enhancing plant growth traits highlighting their role in precision agriculture
03.20 – 03.40PM		**Dr. Pratibha Sharma** ICARE meritious Scientist	Biological control aspects in organic agriculture
03.40 - 04.00PM	APL-40	**Dr Abhishek Mathur**	Screening of Bacterial
		DGM-R&D/QC/QA Prathista Industries Ltd.	Endophytic PGPR Isolates from Menthaarvens is for

			preparation of Lacto-Gluconates based Nano particles for Preparation of Fungicidal and Pesticidal Agents
Oral Presentations: **V-A (PGPR and Emerging technologies)**			
04.00-04.10PM	APL-21	**Dr. T. Chandrashekhar** and Dr. K. Krishna Mohan	Green synthesis of silver nanoparticles using *Aeglemarmelos*. bark extract and their characterization by UV VIS, FTIR, XRD, SEM, EDX And Zeta particles izeimage
04.10-04.20PM	APL-55	Tahmish Fatima, **Sri Varshitha Kondamadugula**, KRK Reddy and Naveen Arora	Development of a resilient microbial product to enhance rice yield in saline soil; Anon–Conventional, non-gmoapproach
04.20-04.30PM	APL-72	Joji Reddy L., **Suresh Kumar. P**	Bio-synthesis of nano particles from leaf extract of *Ocimumtenuiflorum* for enhanced Antimicrobial activity
04.30-04.40 PM	APL-92	Prajapati N.,**RavalA.,** Sayyed, R. Z Reddy, M.	Efficacy of Green Synthesized Copper Nanoparticles on Seed Germination of Crop Plants
04.40-04.50 PM	APL-42	**Dr.VrushaliA.Wagh**	Production of *Naringinase* Enzyme by using Fungal strains and its applicability for debittering of fruit juice
04.50– 05. 00 PM	APL-100	Gowtham Raj M, Deenadhayalan C, Jayachandran Philip Robinson, Balakrishnan Kalpana, Balasubramanian Mythili Gnanamangai, Vignesh A, Sai Ram K. V. S. S3., M. Anusha. Reddy, M. S	Effect of PGPR fortified with 5GNano-Konqualityparametersofmade Teaandyield
05.00– 05. 10 PM	APL-101	Swaminathan S, Deepak D,Priyavashini P,Balasubramanian M.Gnanamangai, Balakrishnan Kalpana, Haseena Begum, Sai Ram K. V. S. S, M. Anushaand Reddy, M. S.	Growth and yield of Turmeric using5Gnano-Zn coupled with PGPR

05.10-05.20 PM	APL-102	DinakaranK,VidhyaR, ShanmugamPoornima,	Yield of Teaupon treatments With PGPR andPrathista5G
		BalasubramanianMythiliGnanamangai, BalakrishnanKalpana, JaganKSG,Sairam, K.V.S. S, M. Anusha, and Reddy, M. S.	Nano - N

Oral presentations V-B (PGPR strategies and food production) Chairing session: Prof A. Amrutavalli

04.00-04.10PM	APL-12	**V. R. Kulkarni,** S.A. AstaputreandM. S.L.Rao	Developing IDMM modules for the Management of cotton diseases
04.10-04.20 PM	APL-46	**Arunkumar, J**,Ponsugumari, M,Unnamalai,NandS.Seshadri	MicrobeFortifiedPanchagavyaandHumicAcidRichFermentedLiquidFertilizer– Process Modifications, On Farm Production and Their Evaluation On Crops.
04.20-04.30PM	APL-39	**P. Sunitha** and K.Aruna Lakshmi	Enhancing Quality and Yield of Bajra (*Pennisetumglaucum* (L)R.Br.)withPGPR.
04.30-04.40 PM	APL-52	**V. Govardhan Rao**, T.Rajasekharam, B.Neeraja, A. Snehalatha Rani, T.Naga Laxmi,B.Srinivasulu, R.V.S. K.Reddyand T. Janakiram	Development of microbial consortia for management of diseases in coconut and citrus
04.40-04.50 PM	APL-82	**M. Manasa**,BeeHameeda	Utilization of spent mushroom substrate for plant growth promotion and Bio fortification in sorghum by Bacilluss
04.50-05.00 PM	APL-16	**Dr. Sanketkumar Kaushikbhai Ray**, Tanvi Paghadar	Isolation, Preliminary Characterization and Plant Growth Promoting Effect of Bacterial

			IsolateAZ1onLegumeCrops
05.00-05.10PM	APL-1	**Dr. Y. Satish**	Impact of different casing materials for production of Milky mushroom

High Tea -05. 00 pm

5:00 – 06.00@ Certificate and Prize distribution, Valedictory & End note

Date: 5/9/2022

Venue: Inigo hall

Agenda: The main aim of PGPR is to support next generation green revolution in food production Inaugural program

7th National Asian PGPR Conference for Sustainable and Organic Agriculture, Loyola Academy

POSTERPRESENTATIONS

Day1, September 05th 2023	
APL-3	**Neekshitha Shetty**, Earanna, Nakulkale Assessment of plant growth promoting stress alleviating traits of drought tolerant fungal endophytes
APL-4	B. Priyanka, Dr K. Anuradha, Dr G.S.V.R.K Choudary & Dr S. Shalini Devi Biocompatible Manganese- Zinc based anozyme for effective nodulation and growth in Legumes
APL-5	**Rathod Parashuram** Modified *in vitro* infection models for charcoal rot pathogen and identification of potential fluorescent *Pseudomonas* against *Rhizoctoniabataticola* following tripartite interaction.
APL-7	**Y. B. Naveesh** Standardization of growth media and different carrier materials for bio formulation of novel biocontrol agent *Lactiplantibacillus plantarum* strain NRB14
APL-11	**Nakul Kale** Bio-priming of drought tolerant bacterial endophyte benefits maize (*Zea mays* L.) seedling growth under drought stress condition.
APL-13	**Ramsha wala R.H** Studies on the Synthesis of silver nano particles from beneficial rhizobacteria and its effect on plant growth under biotic stress.
APL-14	**G. Akshaya, J. Sarada, T. Chaitanya Kumari and Y. Aparna** Evaluation of Fortified fermented fruit and vegetable grow as on growth of *Rhizobiumsps* isolated from root nodules
APL-17	**Tanvi Paghadar and Sanket Ray** Assessment on plant growth prompting microbial linoculants on *CicerarietinumL.* And *Vignaradiata L.*
APL-18	**Ushma B.Joshia ,Mohammed Faisal Ansari and Devayani R. Tiprec** Escalation study of amlaendophytes on different crops
APL-19	**Sivakumar Yaadesh, Minakshi Grover** Azospirillum - Bacillus associations: Synergistic effects on in vitro PGP traits and growth of Pearl millet early seedlings tag under limited moisture conditions
APL-20	**Shravani, Harini, AnjuSandJ . Sarada** Evaluation of PGPR effect of bacterial consortium developed from composton *Trigonellafoenum*

APL-24	**Rinkal Kachhadia, Chintan Kapadia, Harsur Jajda** Cloning and Characterization of Aiia, an Acylhomoserine Lactonase from *Bacilluscereus*RC1 to control soft rot causing pathogen *Lelliottiaamnigena* RCE
APL-25	**V. Sowmya,C Kannan, G. Uma Devi, P .Maruti** Bio-formulations of native bio-control agents to improve their efficiency and storage
APL-26	**Soumya Rout ray and Harsha Shelat** Development of bio degrader formulations for rice residue management
APL-29	**Hetavi N. Patel Anjali M. Rathod** Microbial synthesis of zinc oxide and selenium nano particles and its applicability as a Nano bio fertilizer
APL-30	**Juhi A. Barot** Optimization, Characterization, and expression of Laccase
APL-31	**Kaushik B. Dafda, Nevil R. Parekh** A Comparative study on the antimicrobial activity of bio genically synthesized Silver nano particles
APL-32	**Khushbu D.Vashi, AneriU.Desai** Production of In ulinaseenzyme from onion peels by using bacterial strains under solid state fermentation process
APL-33	**KreenaN.Patel, DipaliH.Patel** Screening,isolation and characterization of sulphur oxidizing bacteria for biotreatment of h2s from industrial effluent
APL-35	**Nikunj B.Parmar** Mushroom cultivation and evaluating the influence of protein formulations on the growth enhancement of pro biotic organisms
APL-36	**Chindamswathi, Bharati N. Bhat, G. UmaDevi, S. Triveni and S.N.C.V.L .Pushpavalli** Endophytic bacterial consortium for the management of Bacterial leaf blight in Rice
APL-37	**Priyankak. Tiwari, Rajubhai B.Dhandhukiya** Disruption of quorum sensing and its implication on bio film formation
APL-38	**Priyanshi M. Patel** Isolation, Characterization, and association of Rhizobial strain isolated from *Gliricidiasepium*
APL-41	Sweta D, Patel Study of Endophytes from Mangrove Plants
APL-43	**Akshma Koul, Abhishek Mathur, K.V.S.S. Sairam and M. S. Reddy** Extraction and purification of Curcuminoids from Curcumalonga Lfor preparation of nano particles that can be utilized as Fungicidal and Pesticidal Agents
APL-44	**Anusha Manikonda, K.V.S.S. Sairam, Abhishek Mathur and M.S Reddy** Evaluation of black wheat as asubstrate for production of organic acids for commercial production of antimicrobial agents, preservatives and bio stimulants
APL-45	**Dr Madhavi Vedulla** Comparative analysis of Pseudomonas sp. and *Streptomyces* sp. for plant growth

	promoting traits

Day2, September 06th 2023	
APL-47	**L. Mutyala Naidu and M. Krishna Rao** In vitro antimicrobial activity of phyto chemical constituents of Zorniagibbosa(L.)Pers.
APL-49	**N. Maria Das and Krishna Mohan** Sustainable Agriculture-Irrigation, cropping pattern and crop production
APL-50	**Bhanusri B., Yella Goud T., Ameer Bashaand Laxmi Prasanna** Invitro evaluation of bio control agents against chick pea dry root rot caused by *Macrophominaphaseolina* (Tassi) Goid.
APL-51	**Dr. D. Srinivasa rao and M. Carine** Comparative study of anti-proliferation and anti- tumor effects of phytosterols of medicinal plants byarrestingG2 cell cycle phase in breast cancer cell lines
APL-54	**Divyakala, S. Shalini Devi, Vidya and Kavya** Plant growth promoting Potential of *Streptomyces*SD22
APL-56	**C. Ruth and K. Gopal** Isolation and characterization of endophyte Alaromyces species against turmeric rhizome rot disease in Andhra Pradesh
APL-57	**Tulasibai. V, Narmada. SK. Nagaraju, Amrutha V Audipudi** Coactive role of green synthesized zincozide nano particles, pure zinc nano particles and endophytic bacteriaAVN1 on plant growth of tomato (*Lycopersiconesculentum*)Linn.
APL-58	**Narmada. S, Tulasibai. V, K. Nagaraju and Amrutha V. Audipudi** Effect of Bio formulation prepared from Endophytic bacteria on tomato plants infected with *Fusarium oxysporum*
APL-59	**Mr. Mahendra Kumar and Vishal Prasad** Impact of salt stress on multitalented plant growth promoter *Enterobacter cloacae*
APL-*60*	**Palugula S Pavankumar, S. Anjuand J. Sarada** Bioremediation of Sewage water using Bacterial bio film
APL-61	**S. Prasanna, K. Mounika, K. Sri Durga, J. SaiKumar, S. Anju and J. Sarada.** Study on Heavy metal bioremediation of soil with microbial siderophore
APL-62	**Madhukar Shubhankar, Anju Sand J Sarada** Bioremediationoforganophosphoruspesticidefromsoilandwaterusingbacterialbiofilms
APL-65	**KhadijahAlKhadir** Fermentative Production of Citric acid by locally Isolated and MTCC 281 *Aspergillusniger*strains UsingBananaPeels as the substrate.The development to f novel insect pest-resistant crops
APL-68	**Manjunath S Somapur, Jayadev K**

	Application of meta genomics sequencing in the detection of microbial community from two different forest rhizospheresoils of Karnataka
APL-67	**Meenakshi Taduri, Suseelendra Desai, Uzma Sultana, Praveen Kumar. G And Sravani Pinisetty** Abiotic stress tolerant,antagonistic Trichodermaspp. As an adaptation strategy for crop disease management under climate change conditions
APL-69	**KaruganiSukumar, K. Ravi Kumar, Ganti Swarnabala, Muralitharan Ganga tharan** Use of Bacillus tequilensis as asilicate solubilizing bacterium for the beneficial Application of plants
APL-71	**Rajni Devi, P. Suresh Kumar, Sewa Ram** Identification of biochemical traits associated with yield determining traits in wheat under salt stress using RILs
APL-73	**Uma Sowjanya Moturu, Trimurtulu Nunna, Vijaya Gopal Avula, Venkata Ramana Jagarlamudi, Rama Rao Gutha, Sreelatha Thamminana** Characterization of molecular and function adiversity of endophytic bacteria In maize
APL-81	**Sanabala Sowjanya, S. Chaitanya Kumari, (Late) Dr P. Naga Padma and Dr K.Anuradha** Studies on Bio-composting of *Azadirachtaindica* and *Ocimumsanctum*leaves
APL-83	**Humera Quadriya and Bee Hameeda** Epiphytic and endophytic bacteria for plant growth promotion in Rice (*Oryzasativa*L.)
APL-85	**T. Shirisha,P. Poojitha,T. Kalyani, Lavanya** In Vitro solubilization of tricalcium phosphate by actinomycetes isolated from Agricultural fields.
APL-87	**D.A.Gamit** Studies on entophytic bacterial siderophores and plant growth promoting activity.
APL-90	**Solanki J.P. and R. V.Vyas** Fungal mediate dk- rich organic mineral manure
APL-97	**Priyanka Jadhav,Gurudatt M. Hegde and Shama rao Jahagirdar** Microbial consortia-An ovela pproachin Plant Disease management
APL-94	**A.S. Niraj Kumar, P.G.S. Manjusha, Mohamed Yahya Khan and Bee Hameeda** Bio surface tant production and plant growth promotion by *Bacillus*sp.and *Microbacterium*sp.
APL-103	**KavithaR, Madhuri, Alpula, Bee Hameeda and Gopal Reddy** Induction of systemic resistance (ISR) in tomato (*Lycopersiconesculentum*) to controls temrot/collar rot disease by multi farious PGP *Bacillus*spp.
APL-34	**Sushma Devi Rodda** Microbial fortification of organic manures for the survival of Azotobacter, Azospirillum and Pseudomonas in organic manure
APL-15	**Dr Jogdande Sai Prasad and Dr. Archana Suman** Prevalence of Antagonism in Seed Endophytic Bacteria Against Major Seed Borne Pathogens of Wheat Crop

Lighting the Lamp

Welcome Address by Fr. Ch. Amar Rao SJ

Key Note Address By Prof. M. S. Reddy Founder And President, Asian PGPR Society.

Message By Fr. Dr. L Joji Reddy SJ organizing chairman and principal of Loyola Academy

Chief guest Message Sri Singi Reddy Niranjan Reddy Garu Honourable Minister of Agriculture,Co-operation & Marketing – TS

Message by Guest of honor Sri MallaReddy garu, Honorable minister for labor and employment, factories & skill development TS.

Felicitation, Release of the Proceedings for the Conference, and Books Report: Asian PGPR conference for sustainable and organic agriculture to support the green revolution in food production

Prof. Appa Rao Podile Former VC, UoH, Senior Professor Department of Plant Sciences, School of Life Sciences University of Hyderabad

Presentation about emerging micro biome-based technologies in agriculture Farming systems are under pressure to sustainably increase productivity to meet demand for food and fibre for a growing global population under shrinking arable lands and changing climatic conditions. Furthermore, conventional farming has led to declines in soil fertility and, in some cases, inappropriate and excessive use of chemical fertilizers and pesticides has caused soil degradation, negatively impacting human and environmental health. The soil and plant micro biomes are significant determinants of plant fitness and productivity. Microbes are also the main drivers of global biogeochemical cycles and thus key to sustainable agriculture. There is increasing evidence that with development of appropriate technologies, the plant micro biome

can be harnessed to potentially decrease the frequency of plant diseases, increase resource use efficiencies and ultimately enhance agricultural productivity, while simultaneously decreasing the input of chemical fertilizers and pesticides, resulting in reduced greenhouse gas emissions and promoting environmental sustainability. We propose that learning from the advancement in the human micro biome can significantly expedite the discovery and innovation of effective microbial products for sustainable and productive farming. The emergence of micro biome technologies for the agriculture industry and how to facilitate the development and adoption of environmentally friendly micro biome technologies for sustainable increase in farm productivity.

Technical session 1 regenerative agriculture PGPR for soil and plant health

Dr. Krishna Kumar Honorable Vice Chancellor Dr. RP Central Agricultural University, Bihar, India Presentation on Scope and prospects of Plant Growth Promoting Microorganisms (PGPM) for promoting Natural Farming for soil health management.
Environmental conservation. The inoculation of plant growth-promoting microbes (PGPM) in agricultural crops is considered an environmental-friendly alternative to chemical fertilization. Microbial inoculants are mainly inoculated onto seeds, roots and soil. PGPM improve plant growth by enhancing the availability of nutrients, the regulation of phyto hormones, and by increasing plant tolerance against biotic and abiotic stresses. One of the main obstacles with PGPM research are the inconsistent results, which may be the result of inoculation methods and abiotic factors, such as soil (nutrient or heavy metal contents and pH), water availability, light intensity and temperature. This review addresses how the PGPM inoculants act on plant growth, what mechanisms they use to survive under stressful environmental conditions, and how inoculation methods and abiotic factors can interfere on the success of microbial inoculation in plants, serving as a basis for research on plants-microorganisms interaction.
Ms. Rama Lakshmi IFS (Rtd) presentation on Plant Growth Promoting Rhizobacteria in Sustainable Forestry and Agro forestry ecosystems to empower women in India Oral presentation

Dr. K. Krishna Mohan, G. Ashoka Chakravarthy, Dr. Saritha, Dr. T Chandrasekhar and Y. Satish Presentation on Effect of bio-stimulants on growth, development and yield of tomato 1:00 - 1:10 pm Dr. Y.B. Naveesh, M.K. Naik, M.Y. Sreenivasa, B. Gangadhara naik, Suresh D. Ekbote, Nagarajappa Adivappar, Pruthviraj.

Ms. Rama Lakshmi IFS (Rtd) presentation on Plant Growth Promoting Rhizobacteria in Sustainable Forestry and Agroforestry ecosystems to empower women in India Oral presentation

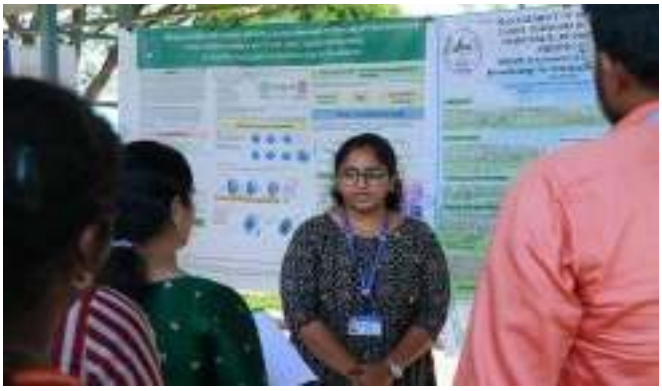
Y.Satish ,Dr. K. Krishna Mohan,G. Ashoka Chakravarthy, Dr. Saritha , Dr. T Chandra shekhar and Presentation on impact of different casing soil on growth of oyster mushroom.

1:00-1:10 pm Dr. Y.B. Naveesh, M.K. Naik, M.Y. Sreenivasa, B. Gangadhara naik, Suresh D. Ekbote,Nagarajappa Adivappar, Pruthviraj Biological control and plant growth promoting activity of probiotic lactic acid bacteria isolated from fruits against Chilli wilt disease (Fusarium solani)

Dr. K. Sudha Sundari gives her topic on soil analysis for enhancing crop productivity in a sustainable way S. Adeeb Mujtaba Ali, Bee Hameeda Presentation on Bioactive molecules from Bacillus spp. And their ISR effect on maize

Lunch break: 1:30-2:30 pm

Posters presentation



Technical session 2A: agriculturally important microorganisms and mitigation to climate change.

Some of the Glimpse of the Event

Newspaper coverings of 7th Asian PGPR conference

హేష్ భగవత్ పరిశీలన

ఆదాబ్ హైదరాబాద్

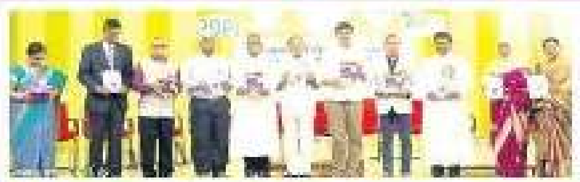
తెలుగు దినపత్రిక

జిల్లా అనుబంధం

మంగళవారం 06, సెప్టెంబర్ 2022 | 12 పేజీలు

ఆధునిక సంకేతికను అందిపుచ్చుకుని వ్యవసాయ రంగంలో

కొత్త ఆవిష్కరణలు చేయాలి



వ్యవసాయ రంగంలో

కొత్త ఆవిష్కరణలకు నాంది పలకాలి

- మంత్రి మల్లారెడ్డి
- అల్వాల్ లయోలా అకాడమీలో జాతీయస్థాయి ఏషియన్ పీజీపీఆర్ సదస్సు
- వ్యవసాయ రంగంలో సేంద్రియ పద్ధతులపై వక్తల సూచనలు
- అలరించిన విద్యార్థుల సాంస్కృతిక కార్యక్రమాలు

7. International Multi-Disciplinary Conference on Emerging Technologies

SCHOOL OF INFORMATICS

PRESENTS

INTERNATIONAL MULTI-DISCIPLINARY CONFERENCE ON EMERGING TECHNOLOGIES

IMCOET 2022

21ST-25TH NOV 2022

ABOUT LOYOLA ACADEMY

Loyola Academy (LA) is managed and administered by the Jesuits of the Andhra Jesuit Province, belonging to the Society of Jesus, an international Catholic Religious Order. Loyola Academy Degree and Post Graduate College as well as Loyola Academy Junior College were founded by Rev Fr T. Baliah SJ in 1976 in Alwal, Secunderabad, Telangana, India.

Autonomous and affiliated to Osmania University

Re-accredited with 'A' Grade, Score- 3.2/4.0 (III CYCLE) by NAAC.

A "College with Potential for Excellence" by UGC.

Conference Highlights

- **Professional Development: Teaching Innovations**
- **Doctoral Colloquium**
- **Best Paper Awards for Selected High-Quality Papers**
- **International Networking**
- **Advanced Research Methodology**

IMPORTANT DATES

Last date to submit Full paper	05-11-2022
Paper Acceptance Notification	12-11-2022
Conference registration starts	30-09-2022
Registration Ends	31-10-2022
Conference Dates	21-11-2022 to 25-11-2022

Papers submitted for the conference will be peer reviewed and accepted . Papers will be Published in UGC CARE Journal with an additional payment of Rs 2000/-

INTERNATIONAL MULTI-DISCIPLINARY CONFERENCE ON EMERGING TECHNOLOGIES

IMCOET 2022

21ST-25TH NOV 2022

Conference Topics: Call for Papers

IMCOET- 2022 IS INVITING ORIGINAL, PREVIOUSLY UNPRESENTED, UNPUBLISHED, AND HIGH-QUALITY RESEARCH PAPERS ADDRESSING RESEARCH CHALLENGES AND ADVANCES IN THE TOPICS MENTIONED BELOW BUT ARE NOT LIMITED TO:

- Applied Mathematics
- Statistical Inference
- Multivariate Analysis
- Time Series Forecasting
- Data Analytics
- Data Science
- Artificial Intelligence
- Machine Learning
- Internet of Things
- Cloud Computing
- Computer Science
- Big Data Analytics
- Natural Language Processing
- Information Security
- Embedded Systems
- VLSI Technology
- Electronic Communications
- IoT in Agriculture and allied fields
- Digital farming
- Drones in Agriculture
- Carbon dioxide capture
- Biodiesel production
- Biomass conversion
- Deep Eutectic Solvents
- Human-Machine Biology

Conference Registration Fee

CATEGORY	NATIONAL	INTERNATIONAL
Students UG/PG	800	$10
Faculty/Research Scholars	1000	$12
Delegates from Foreign/Industry Person	2000	$25

Submission of Papers

- The authors are invited to send their papers in AIP Conference Proceedings format available from https://aip.scitation.org/apc/authors/download
- One copy of full paper not exceeding 8 pages prepared in MS Doc & PDF format should be kept ready and participants will receive a mail after registration only, for further process.

Accommodation needed contact
M. Srinivas - 9849430334

Address for Communication

The Convenor
IMCOET-2022
Loyola Academy
Alwal, Secunderabad, Telangana, India.
Contact: +91 7702490642 /+91 9885384522

LOYOLA ACADEMY
ALWAL, SECUNDERABAD

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

IMCOET 2022

PAYMENT DETAILS

Registration fee can be paid through online mode (UPI/ Paytm/ Phone pe/ Google pay) or to Indian Overseas Bank, Account No.:171501000009[illegible] Account Name: Loyola Academy, IFSC CODE: IOBA0001715 SWIFT CODE: IOBAINBB, Branch: Loyola Academy Branch.

About NITW

National Institute of Technology, Warangal (Deemed University), formerly known as Regional Engineering College, was established in 1959.

Pandit Jawaharlal Nehru laid the foundation stone for this institute on October 10, 1959, the first in the chain of 30 NITs (formerly known as RECs) in the country.

The Institute is well known for its dedicated faculty, staff and the state-of-the-art infrastructure conducive to a healthy academic environment.

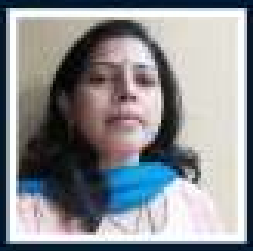
Evolving a socially relevant and yet internationally acceptable curriculum, implementing innovative and effective teaching methodologies and focusing on the wholesome development of the students are our concerns.

RESOURCE PERSONS FOR THE CONFERENCE

Day 1 : 21-11-22

INAUGURAL CEREMONY

KEYNOTE SPEAKER



Prof. P.V. Sudha

University College of Engineering, Osmania University

***MODE:** offline*

Prof. HP Rani

National Institute of Technology, Warangal

***TOPIC:** Optimal Response using Response Surface method*

***MODE:** offline*

Day 2 : 22-11-22

Dr. Y. Sreenivasa Rao

National Institute of Technology, Warangal

***TOPIC:** Mathematical tools in Data Security*

***MODE:** online*

Day 3 : 23-11-22

Prof. Ganesh Harinath

Founder and CEO

Fiducia | AI - U$

***TOPIC:** Blockchain and AI to develop Next Gen Enterprise Application*

***MODE:** online*

RESOURCE PERSONS FOR THE CONFERENCE

Day 3 : 23-11-22

Prof. Rakhee

Faculty of Engineering

The University of West Indies, Mona Campus, Jamaica

TOPIC: IoT Challenges in Health Care

MODE: online

Day 4 : 24-11-22

Prof. Gunasekar Thanarassu

Head of Department

Professional Industry Driven Education

MAHSA University, Malaysia

TOPIC: Big Data Concepts and Analysis

MODE: online

Day 5 : 25-11-22

Resource Person & Chief Guest for Valedictory

Prof. Y. N. Murthy

HYKAN Technologies.

Founder Director.

An IoT based Home and Industrial Automation Company, Hyderabad.

TOPIC: Recent trends in Home and Industrial Automation

MODE: offline

INTERNATIONAL MULTI-DISCIPLINARY CONFERENCE ON EMERGING TECHNOLOGIES (IMCOET-2022)

Organised by Loyola Academy in collaboration with National Institute of Technology Warangal

DATES : 21ST -25TH NOV 2022

VENUE : Loyola Academy, Secunderabad

INIGO HALL

HYBRID MODE

PUBLICATION: UGC CARE JOURNAL

CONFERENCE HIGHLIGHTS

- Professional Development : Teaching Innovations
- Doctoral Colloquium
- Best Paper Awards for Selected High-Quality Papers
- International Networking
- Advanced Research Methodology

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IQAC INITIATIVE

CONFERENCE REGISTRATION FEE

CATEGORY	NATIONAL	INTERNATIONAL
Students UG/PG	800	$10
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Papers submitted for the conference will be peer reviewed and accepted
Papers will be published in UGC CARE Journal with an additional payment of Rs 2000/- (Max. 4 Authors allowed)

CONTACT US +91 7702490642 / +91 9885384522 IMCOET2022@GMAIL.COM

ABOUT LOYOLA ACADEMY

Loyola Academy (LA) (Autonomous and affiliated to Osmania University) is re-accredited with 'A' Grade (III Cycle) by NAAC and a "College with Potential for Excellence" by UGC. LA is a spacious eco-friendly campus with excellent infrastructure is managed and administered by the Catholic clergy, popularly called Jesuits of the Andhra Jesuit Province, belonging to the Society of Jesus (founded by St. Ignatius of Loyola), an International Catholic Religious Order. Loyola Academy was founded by Rev Fr T. Baliah SJ in 1976 in Alwal, Secunderabad, Telangana.

ABOUT NITW

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PAYMENT DETAILS

Registration fee can be paid through online mode (UPI/ Paytm/ PhonePe/ Google Pay) or to Indian Overseas Bank, Account No.:171501000000918
Account Name: Loyola Academy, IFSC CODE: IOBA0001715
SWIFT CODE: IOBAINBB, Branch: Loyola Academy Branch.

SUBMISSION OF PAPERS

The authors are invited to send their papers in AIP Conference Proceedings format available from https://aip.scitation.org/apc/authors/download

One copy of full paper not exceeding 8 pages prepared in MS Doc & PDF format should be kept ready and participants will receive a mail for further process.

Registration link

https://forms.gle/1WLUgpEu5KvmNwE6A

UPI

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IQAC Coordinator
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Mr. R.K.Raman, Assistant professor
Prof. H.P Rani, Coordinator, NIT Warangal

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LOYOLA ACADEMY

DEGREE AND PG COLLEGE, ALWAL, SECUNDERABAD

Re-accredited with 'A' Grade (III CYCLE) by NAAC

AN IQAC INITIATIVE

INTERNATIONAL MULTI-DISCIPLINARY CONFERENCE

ON "EMERGING TECHNOLOGIES"

IMCOET 2022

IN COLLABORATION WITH *NIT WARANGAL*

Invitation to the Inaugural Session

We, the School of Informatics cordially invite you for the Inaugural Session on

21st Nov 2022 .

Time: 9: 30AM

Venue: Inigo Hall

We eagerly anticipate your gracious presence at our event.

Thanking you

Yours faithfully

School of Informatics

LOYOLA ACADEMY

ALWAL SECUNDERABAD

An IQAC initiative

INTERNATIONAL MULTI-DISCIPLINARY conference on "EMERGING TECHNOLOGIES" IN COLLABORATION WITH NIT WARANGAL.

IMCOET 2022

CONFERENCE ORGANIZED BY

SCHOOL OF INFORMATICS

21ST - 25TH NOVEMBER 2022 (Hybrid Mode)

WELCOME TO LOYOLA ACADEMY ALWAL SECUNDERABAD

An IQAC Initiative

INTERNATIONAL MULTI-DISCIPLINARY conference on "EMERGING TECHNOLOGIES" IN COLLABORATION WITH NIT WARANGAL.

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Patron
Rector & Correspondent
LOYOLA ACADEMY

Rev. Fr. Dr. L. Joji Reddy SJ
Chairman
Principal
LOYOLA ACADEMY

Mr. Anthony Anish
Chief Guest
RTD Wing Commander &
T Hub - CDO

Prof. P.V. Sudha
Keynote Speaker
University College of Engineering
Osmania University

Prof. H.P. Rani
Co-ordinator (Day -1)
National Institute of Technology
Warangal

Dr. Y. Sreenivasa Rao
Resource Person (Day - 2 online)
National Institute of Technology
Warangal

Prof. Ganesh Harinath
Resource Person (Day - 3 online)
Founder and CEO - Fiducia
AI - US

Prof. Rakhee
Resource Person (Day - 3 online)
The University of West Indies
Mona Campus, Jamaica

Prof. Gunasekar Thanarasu
Resource Person (Day - 4 online)
Professional Industry Driven Education
MAHSA University, Malaysia

Prof. Y. N. Murthy
Chief Guest & Resource Person (Day - 5)
HYKAN Technologies - Founder Director
Hyderabad.

Dr. G. Anitha Mary
Dean of Informatics
Convenor
Loyola Academy

Dr. K. Rama
IQAC Coordinator
Convenor
Loyola Academy

Dr. K Vijayalakshmi
Dean of Research
Loyola Academy

AN IQAC INITIATIVE INTERNATIONAL MULTI-DISCIPLINARY CONFERENCE ON "EMERGING TECHNOLOGIES" IMCOET 2022 IN COLLABORATION WITH NIT WARANGAL

SESSION	PARTICULARS	TIMINGS
Session-2 (online)	Dr. Y. Sreenivasa Rao NIT Warangal Topic: Mathematical tools in data security	**9:30am-11:00am**
	Paper Presentations	**11:00am-12:30pm**
	Day-2 Conclusion	**1:00pm**

CONFERENCE SCHEDULE
(HYBRID MODE) DAY-1: 21/11/2022 (OFFLINE)
DAY-2: 22/11/2022 (ONLINE)

SESSION	PARTICULARS	TIMINGS
Inauguration	Prayer Song	**10:00-10:05am**
	Welcome Dance	**10:05-10:10am**
	Lighting of the Lamp	**10:10-10:15am**
	Bouquet presentation	**10:15-10:20am**
	Souvenir Release	**10:20-10:25am**
	Chief Guest Profile	**10:25-10:30am**
	Chief Guest Speech	**10:30-10:40am**
	Correspondent Rev.Fr.Ch. Amara Rao SJ-Bless the Gathering	**10:40-10:50am**
	Principal Rev. Fr. Dr. L. Joji Reddy SJ- Welcome address	**10:50am-10:55am**
	Dynamics of the Conference Dr G. Anitha Mary	**10:55am-11:00am**
	keynote speaker Profile Prof. P.V Sudha	**11:00am-11:05am**
	keynote speaker address Prof. P.V. Sudha	**11:05am-11:20am**
	Prof. H. P. Rani Profile	**11:20am-11:25am**
Session-1	Prof. H. P. Rani - Coordinator NIT Warangal	**11:30am-12:30pm**
	Day-1 Conclusion	**1:00pm**

DAY-3: 23/11/2022 (ONLINE)

SESSION	PARTICULARS	TIMINGS
Session-3 (online)	Prof. Ganesh Harinath Founder and CEO Fiducia | AI - US Topic: Block chain and AI to develop next Gen Enterprise applications	**9:30am-11:00am**
Session-4 (online)	Prof. Rakhee Faculty of Engineering, The university of West Indies, Mona Campus, Jamaica Topic: IoT Challenges in Health Care	**11:00am-12:30pm**
	Day-3 Conclusion	**1:00pm**

DAY-4: 24/11/2022 (ONLINE)

SESSION	PARTICULARS	TIMINGS
Session-5 (online)	Prof. GunasekarThanarassu Head of Department Professional Industry Driven education MAHSA University, Malaysia Topic: Big Data Concepts and Analysis	**9:30am-11:00am**
	Paper Presentations	**11:00am-12:30pm**
	Day-4 Conclusion	**1:00pm**

DAY-5: 25/11/2022(OFFLINE)

SESSION	PARTICULARS	TIMINGS
	Paper Presentations	**9:30am-10:30am**
Session-6 (offline)	Prof. Y.N. Murthy HYKAN Technologies, Founder Director. Automation Company, Hyderabad. Topic: Recent trends in Home and Industrial Automation	**10:30am-12:00pm**
VALEDICTORY	Prayer Song Address by Principal Address by Chief Guest Valedictory Ceremony Dance Distribution of Certificates Vote of Thanks National Anthem	**12:00pm-12:30pm**

TECHNICAL SESSION - I

DATE: 22.11.2022 (TUESDAY)
FORENOON SESSION (11:00 AM TO 12:30 PM)

(HYBRID MODE)- DAY -2

Chairperson: Dr. Harsha Sastry **Co- Chairperson: Dr. Shakira Sultana**

Venue: INIGO HALL

SESSION Code	TITLE OF PAPER	AUTHOR NAME	MODE
1	**Virtual Data Centre: Implementation of DCAAS**	**Daniel Jude Gonsalves**, LA	OFFLINE
2	**Armstrong Number Encryption Standard for Smart Devices - An Iot Based Encryption Algorithm**	**P Sushma**, LA	OFFLINE
3	**Exploring A Real-Time Public Transport Tracking, Analysis and Management Framework Using Iot Ecosystem Architecture**	**D. Arpitha Rani, Kaushlendra Sharma**, LA	OFFLINE
4	**Automate Data Collection of The Examination Results In Affiliated Colleges Using Web Scraping Techniques**	**Raman RK**, LA	OFFLINE
5	**Iot Applications Issues and Solutions – A Study**	**S Jayalaxmi, S.Siddharth**,BV college	ONLINE
6	**Data Visualization and Multiple Linear Regression for Big Mart Sales Prediction**	**K. Lakshmi** Badruka college for IT	ONLINE
7	**Artificial Intelligence in Education: Prospects and Challenges**	**Dr Noor Nigar**, St Francis de Sales College	ONLINE
8	**Educational Clouds in Creating a New Trend For E-Learning**	**T.Suneetha**, LA	OFFLINE
9	**A Review on Two-Phase Locking Protocol to Maintain the Execution of Concurrent Transactions**	**P. Bala Seshu Kumari**, LA	OFFLINE
10	**Development of Gsm Based Advanced Digital Door Locking System**	**G. Aparna** Geetanjali Engg. College	ONLINE
11	**Malaria Detection Using Different Deep Learning Models**	**Dr. G. Anitha Mary**, LA	OFFLINE

TECHNICAL SESSION - I

DATE: 24.11.2022 (TUESDAY)
FORENOON SESSION (11:00 AM TO 12:30 PM)
(HYBRID MODE)- DAY -4

Chairperson: Mrs. Bharathi **Co- Chairperson: Mrs. Anitha**

SESSION Code	TITLE OF PAPER	AUTHOR NAME	MODE
1	**Voice Based E-Mail for Visually Impaired People Using Artificial**	**S. Lakshmi,** LA, **J. Hari Prasada Rao** Aurora's Degree & PG College	ONLINE
2	**NICE: Network Intrusion Detection and Countermeasure Selection in Virtual Network Systems**	**T. Pushpa Latha** St. Ann's College for women	ONLINE
3	**Heart Attack Monitoring System in Home Residency**	**P.Sindhu, B.S Ranga Priya, K. Nandith,**LA	ONLINE
4	**Augmented And Virtual Reality**	**Ruchika Murthy,** LA	OFFLINE
5	**A Review on Online Digital Cheque Clearance Verification System Using Blockchain Technology**	**K. Anitha, S. Lakshmi,** LA	ONLINE
6	**Smart Traffic Regulation with Artificial Intelligence**	**Sarashri, Ruchika Murthy,** LA	OFFLINE
7	**Design And Development of Cholesterol Detection Using Handprint Image**	**Dr. P. Radhika rani, Gowtham parth**, LA	OFFLINE
8	**Design Of Iot Based Led Display Board**	**Dr. Santhi C, Pramodh, Rishi, Mohan**, LA	OFFLINE
9	**Retinal Image Analysis**	**Dr. Shakira Sultana, S C V Sai Charan,** LA	OFFLINE
10	**Data Security Using Graph Theory**	**V. Harsha Shastri, La**	OFFLINE
11	**Students Live Behaviour Monitoring in Online Classes Using Artificial Intelligence**	**Dr. K. Vijayalakshmi**, LA	OFFLINE
12	**DE Authentication Attack on IEEE 802.11 Connectivity Based on IOT Technology Using Node MCU**	**Cyril N Francis**, **T.Ramya**, LA	OFFLINE

TECHNICAL SESSION - I

DATE: 25.11.2022 (TUESDAY)
FORENOON SESSION (09:00 AM TO 10:30 PM)
(HYBRID MODE)- DAY - 5

Chairperson: Dr. Shakira Sultana **Co- Chairperson: Dr. Radhika Rani**

SESSION Code	TITLE OF PAPER	AUTHOR NAME	MODE
1	**Ai - A Silver Lining in The Field Of IVF**	**Dr. T. Suchitra Naidu,** LA	ONLINE
2	**Emerging Text Mining Techniques in Big Data Analytics**	**D. Arpitha Rani,** LA	OFFLINE
3	**A Blockchain Future for Internet of Things Security**	**S. Swapna,** LA	ONLINE
4	**Analysis on DDoS attacks on IoT Network**	**T Ramya, Anurag** University	ONLINE
5	**Real Time Alcohol Detection and Engine Locking System**	**G. Naga Babu**, LA	OFFLINE
6	**Prospects of Drones Technology in Indian Agriculture: A Review**	**Sudha Sundari, N Prudhvi,** LA	OFFLINE
7	**The Use of Google Scholar as An Online Database Technology Among Researchers**	**C. Vimala Devi** St. Ann's College for Women	ONLINE
8	**An Integrated Single-Vendor, Single-Buyer Inventory Model for Imperfect Quality Production, Imperfect Inspection At Vendor Site**	**G Srinivasa rao** CMR University, Bangalore and KPRIT, Hyderabad	ONLINE
9	**WATER QUALITY MONITORING SYSTEM**	**Dr. K. Rama, Kata Neha**, LA	OFFLINE

DAY 1

AN *IQAC* INITIATIVE

INTERNATIONAL MULTI-DISCIPLINARY CONFERENCE ON "EMERGING TECHNOLOGIES"

IMCOET 2022

IN COLLABRORATION WITH NIT WARANGAL

Chief Guest WING COMMANDER ANTHONY ANISH (Retd)

T Hub, Chief Delivery Officer, Migrate, Founding team member, Angel Investor, Mentor at Telangana State Innovation Cell (TSIC), E cell IIT- Bombay, IIT Madras, Hyderabad, Telangana, India

ABOUT

A Kargil Veteran, Indian Air Force helicopter pilot, instructor and DRDO project director who pivoted to being an entrepreneur and helped start and build 2 multi Million $ companies

Keynote Speaker for inaugural

Prof. P.V. Sudha

University College of Engineering, Osmania University, Hyderabad.

Prof. P.V. Sudha Garu has given insightful presentation

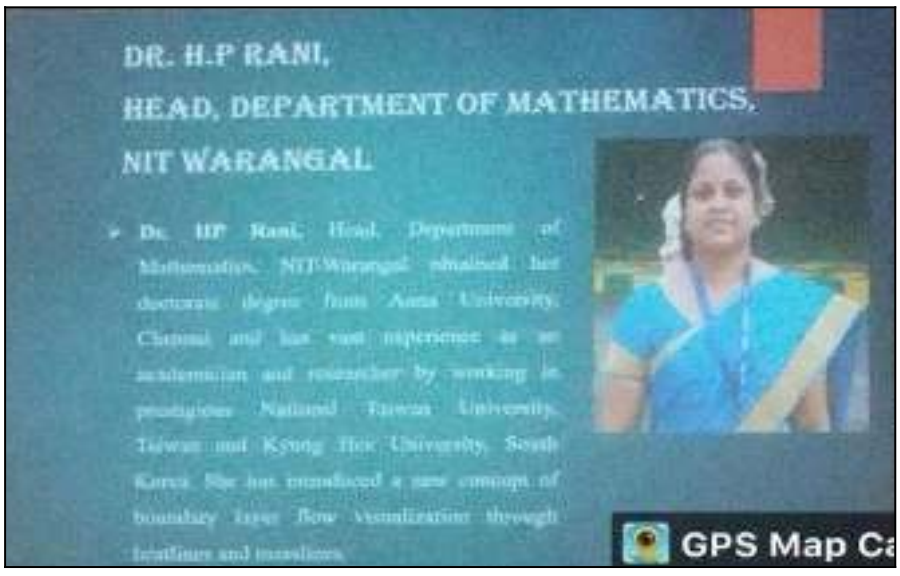
On the Topic: **APACHE SPARK**

Apache Spark™ is a multi-language engine for executing data engineering, data science, and machine learning on single-node machines or clusters.

APACHE MESOS:

Apache Mesos is an open-source cluster manager that handles workloads in a distributed environment through dynamic resource sharing and isolation.

SESSION -1



Dr. H.P. RANI

Head Department of Mathematics NIT Warangal

Dr H.P. RANI, Head Department of doctorate degree from Anna University, Chennai and has vast experience as an academician and researcher by working in prestigious National Taiwan University, South Korea. She has introduced a new concept of boundary layer flow visualization through heat lines and mass lines.

Dr. H.P. Rani has given insightful presentation

On the Topic: **OPTIMAL RESPONSE USING RESPONSE METHOD**

Regression Analysis

Regression is a technique for investigating the relationship between independent variables or features and a dependent variable or outcome. It's used as a method for predictive modelling in machine learning, in which an algorithm is used to predict continuous outcomes.

P-Test:

In statistics, the p-value is the probability of obtaining results at least as extreme as the observed results of a statistical hypothesis test, assuming that the null hypothesis is correct. The p-value serves as an alternative to rejection points to provide the smallest level of significance at which the null hypothesis would be rejected. A smaller p-value means that there is stronger evidence in favor of the alternative hypothesis.

Conclusion of Day-1: Day 1 started with a blessing prayer from the Loyola Choir and lighting of lamp inaugural program by Chief Guest, Wing Commander Anthony Anish garu, Prinipal, Rev. Father Dr. L. Joji Reddy garu, Vice Prinipal, Rev. Father Arul Jothi garu, IQAC Head, Dr. Rama garu, Dean of Academics, Dr. Suchitra Naidu garu, Dean, School of Informatics, Dr. Anitha Mary garu and Dean of Research, Dr. Vijaya Lakshmi garu. Enlightening talk was giving by the Wing Commander Anthony Anish, explaining gathering about how one can sustain in this competitive world by acquiring knowledge of different domains. He even added that students have the knowledge of latest technologies that are

emerging in the stream of computer science apart from the academic knowledge. He even appreciated and congratulated Loyola Academy for hosting International conference which is opening up gates for throwing knowledge on the emerging technologies. Souvenir containing the 29 paper publications abstracts was released by the Chief guest. Key note speaker Dr. P.V Sudha and Resource person, Dr. H. P. Rani also actively participated in the first day of International multi-disciplinary conference on "Emerging Technologies". Faculties, students from the other colleges and Loyola academy were very happy and contented for first day programs and eagerly waited for the next day events and talks. First day concluded on this note.

Conference kits where distributed to all the Participants.

IMCOET conference proceedings were published in major newspapers like ABN Andhra Jyothi, Sakshi, Prajadarbar etc.

లయోలా అకాడమీలో స్కూల్ ఆఫ్ ఇన్ ఫర్మేటిక్స్ ఆధ్వర్యంలో ఇంటర్ నేషనల్ సదస్సు

ప్రజాదర్బార్ www.prajadarbar.net
Telangana - 22 Nov 2022 - Page 11

సాక్షి

జలమండలి జీఎం సునీల్‌కుమార్, ఏసీపీ పాల్గొన్నారు.

ఆధునిక సాంకేతికతను అందిపుచ్చుకోవాలి

సావనీర్‌ను విడుదల చేస్తున్న ప్రతినిధులు

అల్వాల్: సాంకేతికతలో వస్తున్న మార్పులను నిరంతరం అధ్యయనం చేస్తుండాలని రిటైర్డ్ వింగ్ కమాండ్ ఆంథోని అనీష్ అన్నారు. అల్వాల్ లయోలా అకాడమీలో 5 రోజుల పాటు నిర్వహిసున్న ఇంటర్ నేషనల్ మల్టీ డిసిప్లినరీ కాన్ఫరెన్స్ ఎమర్జింగ్ టెక్నాలజీస్ అనే అంశంతో కూడిన సమావేశాలను సోమవారం ఆంథోని అనీష్ ప్రారంభించారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ విద్యార్థులు పుస్తకాలలో ఉండే పాఠాలతోపాటు ఆధునిక రంగంలో జరుగుతున్న మార్పులను అధ్యయనం చేస్తుండాలన్నారు. ఇందుకోసం లయోలా అకాడమీ ఏర్పాటు చేసిన కార్యక్రమంలో వివిధ కళాశాలల అధ్యాపకులు, విద్యార్థులతో పాటు విద్యావేత్తలు, పరిశోధకులు పాల్గొంటారని వీరి మధ్య చర్చలు జరుగడంతో నూతన అధ్యాయనాలు వెలువడుతాయన్నారు. ఈ కార్యక్రమంలో ప్రిన్సిపల్ జోజిరెడ్డి, ప్రొ. పీవీ. సుధా, ఎమ్వీ రాణి పాల్గొన్నారు.

Date: 22/11/2022, Edition: Hyderabad(Malkajgiri), Page: 9
Source : https://epaper.sakshi.com/

ABN ఆంధ్రజ్యోతి

www.andhrajyothy.com | ఆంధ్రజ్యోతి

విద్యార్థులు టెక్నాలజీని అందిపుచ్చుకోవాలి

సమావేశంలో ప్రిన్సిపాల్ జేవీఆర్ బోర్డు జాతీయ అధ్యక్షుడు ఫాదర్ ఎల్. జోజిరెడ్డి

అల్వాల్, నవంబర్ 21 (ఆంధ్రజ్యోతి): రోజురోజుకూ మారుతున్న టెక్నాలజీకి అనుగుణంగా విద్యార్థులు ఎప్పటికప్పుడు అప్‌డేట్ కావాల్సిన అవసరం ఉందని తెలంగాణ హబ్ చీఫ్ డెలివరీ ఆఫీసర్, రిటైర్డ్ వింగ్ కమాండర్ ఆంధోని అనీశ్ అన్నారు. సోమవారం అల్వాల్ లయోలా కళాశాలలో స్కూల్ ఆఫ్ ఇన్ఫర్మేషన్ టెక్నాలజీ, నేషనల్ ఇనిస్టిట్యూట్ ఆఫ్ టెక్నాలజీ సంయుక్త ఆధ్వర్యంలో ఇంటర్నేషనల్ మల్టీ డిసిప్లినరీ కాన్ఫరెన్స్ ఎమర్జింగ్ టెక్నాలజీస్ (ఐఎంసీవోఈటీ-2022) అనే అంశంతో ఐదు రోజుల పాటు నిర్వహించే సమావేశం హైబ్రిడ్ మోడ్ నిర్వహించారు. కార్యక్రమంలో ఆయన మాట్లాడుతూ విద్యార్థుల్లో దాగి ఉన్న సృజనాత్మకతను ఎప్పటికప్పుడు మెరుగుపర్చుకోవాలన్నారు. కళాశాల ప్రిన్సిపాల్ జేవీఆర్, బోర్డు జాతీయ అధ్యక్షుడు ఫాదర్ ఎల్. జోజిరెడ్డి మాట్లాడుతూ విద్యార్థులు సాంకేతికతను అందిపుచ్చుకోవడంలో ముందుండాలన్నారు. కీనోట్ స్పీకర్‌గా ఉస్మానియా యూనివర్సిటీ ప్రొఫెసర్ పీవీ.సుధ, వరంగల్ ఎన్ఐటీ ప్రొఫెసర్ హెచ్‌పీ రాణి హాజరయ్యారు. ప్రపంచ వ్యాప్తంగా వస్తున్న టెక్నాలజీ పరమైన మార్పులు దానికి సంబంధించిన రీసెర్చ్ పేపర్స్‌ను ప్రజెంట్ చేయడానికి వివిధ కళాశాలల నుంచి అధ్యాపకులు, విద్యార్థులు పాల్గొన్నారు.

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Source : https://epaper.andhrajyothy.com

DAY 2

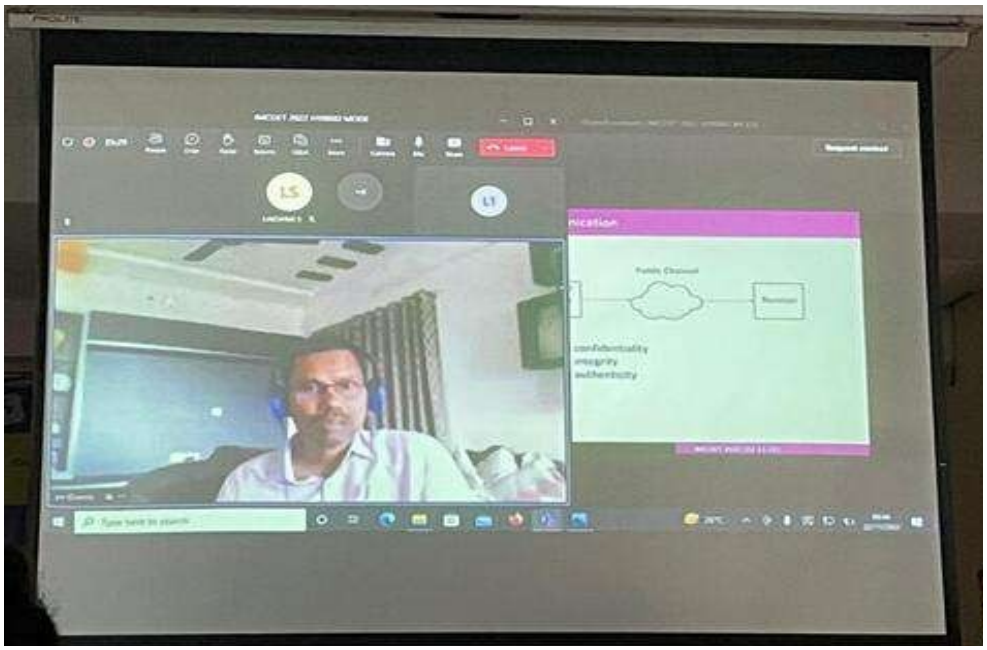
Date of the event : 22/11/2022

Mode **:** Hybrid

Location **:** Inigo Hall – Loyola Academy

Number of persons attending : 500+

On 22nd November, 2022 Loyola Academy in collaboration with NIT Warangal organized an international multi-disciplinary conference on emerging technologies 2022 (IMCOET-2022) which focused on emerging technology and trends. The conference was open to the students of computer science and around 500 students were in attendance. During the conference attendees shared their opinions, thoughts, and suggestions on emerging technologies.



The second day of the conference hosted a session with a lecture on mathematical tools in designing security protocols by Y. Srinivas Rao, Professor in Department of Computer Science from NIT Warangal.

Name of lecturer : Dr. Y. Srinivas Rao

Organization : NIT Warangal

Topics discussed : **MATHEMATICAL TOOLS IN DESIGNING DATA SECURITY PROTOCOLS**

He started his lecture with the Data communication model. He then followed it with mathematical tools like Modular arithmetic, Modular exponentiation, Chinese remainder theorem, The Euler pi function, Integer factorisation problem in which he discussed RSA and Diffie Hellman key exchange. He also shared his views on Discrete logarithm problem, Bilinear pairings, Lagrange interpolation. He has ended his lecture Threshold secret sharing scheme.

It was very informative with some familiar and interesting topics. Lecturer has a good command over the topic and is highly experienced. Students listened attentively.

After an informative session of **Dr. Y. Srinivas Rao garu**, we had a series of **PAPER PRESENTATIONS** from the participants participating from different locations of our nation.

Presentation-1

Topic **:** Virtual Data Centre: Implementation of DCaaS

Name of Participant **:** Daniel Jude Gonsalves, Loyola Academy

Department **:** Department of Computer Science and Cognitive Systems.

Abstract: This paper presents the working and implementation of Software Defined Data centers (also known as Virtual Data Centers). The main aim of using this emerging technology based on Infrastructure as a Service Architecture, is to give organizations the platform to work with physical-like data centers in a cloud environment, thereby providing hardware flexibility over a virtual deployment. To show the working of an SDDC platform, an online cloud service platform called Ionos, which provides a cloud-based data center, is used with the virtual servers running Windows Server 2022. This paper is written while working under US-based IT Service Company, thus giving real-world experience building a virtual data center (VDC) for a client organization. This paper also highlights the complexity of providing DCaaS (Data Center as a Service) by showing the steps taken to construct and implement a data center and the difficulties faced while creating a VDC.

Presentation-2

Topic: Armstrong number encryption standard for smart devices - an IoT based encryption algorithm

Name of participant **:** P. Sushma, LA

Department **:** Department of Computer Science and Cyber Security.

Abstract: In the ERA of internet of things, where smart living has to OK the front seat, Smart devices enhanced the quality-of-life style and improved heterogeneous connectivity. These are everyday things with intelligence and unconventional computing capabilities involving machine learning and artificial intelligence. In simple terms, smart devices in different sectors like smart homes, smart buildings, and smart cities are where things or devices can communicate with each other and also can be operated with smartphone applications from a remote location. These are the endpoints of networks with high independent workloads. Smart devices are now ranging from small home things to a huge manufacturing industry. These devices can send and receive messages over the internet and are in an open threat of being compromised. IoT provides many protocols for the devices to communicate with each other. Few of the protocols popularly used for the communications are MQTT, CoAP, XMPP, AMQP. These protocols are generally light in weight as they work on IoT. The major criteria of concern in these protocols are the lightweight encryption and decryption algorithms for the secure communication between the devices. This paper focuses on providing security using the Armstrong number encryption standard algorithm to work on the binary data. It enhances the security of smart devices by providing confidentiality and integrity of the data with simple computations.

Presentation-3

Topic: Exploring a real-time public transport tracking, analysis and management framework using IOT ecosystem architecture.

Name of participant **:** D. Arpitha Rani, Kushledra Sharma, LA
Department **:** Department of Computer Science and Artificial Intelligence.

Abstract: This paper focuses on exploring and designing a IoT [Internet of Things] based system which aims to provide a digital interface via a mobile/desktop application to citizens by mapping the live location of the public transport such as Buses, Taxis, Local Trains and Ferries. This architecture is enabled by a variety of technologies such as Global Positioning system [GPS], Sensors [Proximity, Infrared, Image, Accelerometer and Gyroscope sensor], Micro-controller, a Back-end Server, Mobile application, Wireless Sensor Networks [WSN] and many more. Google Maps API is used to design the mobile application interface, which shall provide info on the transport vehicle's live status of location and related data. In the following content, a dedicated algorithmic approach is also defined in order to reach the goal of a smart and intelligent transport management service system. This framework of transport management contributes to the goal of a futuristic society by employing necessary tools and technologies. A widely scalable solution, which aims to smartly engineer the traditional transport infrastructure resulting in an intelligent, serene and secure system of service. The IoT network pushes for a boost in the sector of innovation and business, which certainly can contribute to the economy and establish regularity & tranquility in the process of service. The architecture also provides enough liberty to engross various tech disciplines such as Big Data, Artificial Intelligence, Cloud Computing, etc., in order to improve its future sphere of working. This research paper presents a general contour of the features of the advanced transport system and discusses unique steps in order to transcend the conventional systems of working. It further discusses the present digital & tech developments and future prospects in the modern transport sector.

Presentation - 4

Topic : Automate data collection of the examination results in affiliated colleges using web scraping techniques.

Name of participant : Raman RK, LA
Department : Department of Computer Science and Engineering.

Abstract: Since the evolution of the Internet, the technology has grown leaps and bounds to process the data. Once upon a time gathering data was a huge task but now the scenario has changed and it is challenging to process the huge data. In order to resolve this challenge, numerous data analysis techniques are being undertaken. One of the main data analysis approaches is data scraping or web scraping. Using web scraping, the unstructured data from the website is transformed into a proper structured data. The traditional techniques involve copying and pasting the results of each student in Excel sheet one by one which is quite time consuming. Using Robotic Process Automation (RPA) we can try to resolve the issue. This paper mainly focuses to provide a solution for the challenge that is imposed when coming to data gathering and analyzing the examination results of students in affiliated colleges.

Presentation-5

Topic : IoT applications issues and solutions – a study

Name of Participant: S.Jayalaxmi, Bhavans Vivekananda College, Secunderabad
Department: Department of Computer Science

Abstract: Internet of Things (IoT) has made human life easier as humans can remotely access all the interconnected devices by staying in a place. IoT is the system of unified devices, machines, and objects which are provided with a unique id. Everything and anything which is connected to a network come under IoT. The impact of global connectivity and the exchange of data created major significance on education, business, health care system, military capabilities, international trade, agriculture, and home applications. Cyber security is the major concern in this digital world to ensure protection from malicious activities, which aim to corrupt or steal data and interrupt an organization's systems with unauthorized access. Many new models and techniques are being proposed to protect the IoT network using

Machine learning and deep learning, Neural Networks, and Block-Chain methods. In this survey paper, we reconnoiter on various IoT applications, its growth, specification, and the security challenge of layered structure. We analyze the present's challenges; issues that emerge in the IoT network and provide a comparative analysis for the available solutions. We have also proposed a novel three-tier framework to control unauthorized access and identify suspicious internal activities in the private IoT network. This present survey is beneficial for industry and academia to categorize the challenges and issues in the current IoT security models and generate new dimensions of developments in it with advanced technologies.

Presentation-6

Topic: Data visualization and multiple linear regression for big mart sales prediction

Name of Participant: K. Lakshmi, BBCIT, Kachiguda, Hyderabad.
Department: Department of Computer Science.

Abstract: Sales forecasts are important for forecasting future demand. It depends on two important factors: owning the right data and drawing the right conclusions from the right data. Nowadays most of the Business Organizations are focused on sales forecasts. Forecasts help to plan and reduce unnecessary costs. This means that we can offer the goods at a reasonable price. This allows companies to decide whether to add new products or remove failed products that are not in demand in the market. This article proposes a predictive model using multiple regression techniques from companies like Big Mart, a one-stop shopping center, discussed to predict the sales of different types of products and the impact of different factors on the sale of items. MLR is an extension of linear regression. MLR improves model generalization and provides accurate results.

Presentation-7

Topic: Artificial intelligence in education: Prospects and challenges

Name of Participant: Dr. Noor Nigar, St. Francis de Sales College, Bangalore
Department: English

Abstract: Artificial Intelligence (AI) has the potential of revolutionizing and transforming the education system by addressing the major challenges in education today. AI can be an effective education tool for both teachers and students. However, considering the digital divide and the risks associated with technology, it is imperative that the challenges of using AI in education (AIE) are evaluated before incorporating it in education. Also, an attempt should be made to harness the human-element in AI, especially when implemented in education. Hence, the objective of this paper is to explore and analysis the various AI tools that are used in education and assess their effectiveness in teaching and teaching. Furthermore, it will also address the challenges and risks of incorporating IA in education. Finally, this paper will reflect on the implications for future research on AI in education.

Presentation-8

Topic: Educational clouds in creating a new trend for e-learning

Name of Participant: T. Suneetha, LA
Department: Department of Computer Science and Internet of Things

Abstract: Based on users' demand and needs the entire information must be processed to serve a wide range in the world. Because of that various computing resource can be rapidly and elastically provisioned and released. So the Cloud computing provides a shared pool of all these resources. Many applications including education, government and business this technology is being adopted. Due to its tremendous advantages, it is maturing rapidly. How E-Learning can be benefited by the cloud computing that we study in this paper.
Discussed various things like how Universities and institutions may take advantage of clouds and how the cloud computing educational environment used. Few considerations have been taken by all universities and institutions to take the advantage of this not only in terms of cost but also in terms of security, reliability, flexibility, efficiency and portability. Including future challenges to cloud education, several case studies for educational clouds introduced by various popular cloud providers. The usage of these will reflect the increasing interest in this new trend.

Presentation-9

Topic: A review on two-phase locking protocol to maintain the execution of concurrent transactions

Name of Participant: P. Balaseshu Kumari, LA
Department: Department of Computer Data Science and Data Analytics engineering

Abstract: In today's Business world Database Management Systems play a very important role by providing crucial data to support Decision making in Business. To make proper decisions to improve the business, the decision-makers are dependent on data. The data is generated from business Transactions like sales, purchases, etc. Because of Distributed Databases, Centralized Databases, and Shared Databases maintaining accuracy and integrity is very difficult. The users of the Database can perform different operations like reading,

inserting, updating, and deleting on same data at the same time in a Multiuser environment. To provide accurate and timely data to decision-makers Database Management follow different Techniques. In Database Management Systems Concurrent Transaction execution is possible without disturbing the integrity of the Database by using a Two-Phase Locking Mechanism, Time Stamping Methods, and Optimistic Methods. In Multiuser Database Systems, concurrency control is used to run the transactions simultaneously. If the Concurrency Control mechanism is not used in shared Databases several data integrity and consistency problems are raised. The Problems are lost updates, reading of uncommitted data (Dirty read) inconsistent retrievals, Resource leakage, and slowing down the performance of the system. Concurrency control ensures the Serializability property of Transactions, but it has failed in avoiding Deadlocks, starvation, and cascading rollbacks. Here we propose a Two-phase Locking Mechanism and its Problems.

Presentation-10

Topic: Development of gsm based advanced digital door locking system

Name of Participant: Aparna Gira, GCET, Cheeryal, Keesara, Hyderabad
Department: Department of Computer Science.

Abstract: Security has become very important, but along with that, people also need a system that is highly secure and more consistent. As conventional door locks can be easily opened, people are vulnerable to security threats. Door locks we use have evolved from metal door locks of primitive keys to the latest controlling structure with up to four levels of authentications to ensure maximum safety for the user. Multifactor authentication is often used in situations where more strong security is required. In many cases, this multilevel mechanism is complex and less user-friendly because it needs a greater number of steps as far as end users are concerned. With the advancement of technology, digital door locks have become very common these days. For this project two factors i.e., Password and OTP are used for authentication. With this in addition to entering a password (first factor) users need to enter a One Time Password (second factor) manually that they receive to their mobile phone that is generated by hardware. Hence two factors are implemented for authentication. It also alerts the user whenever the wrong details are entered through notification. Buzzer is used to alert the neighbors' or people nearby. The security increases with this model. Resetting passwords is an additional feature which is very useful.

Presentation-11

Topic: Malaria detection using different deep learning models

Name of Participant: Dr G Anitha Mar, Dean of Academics, Loyola Academy
Department: M.Sc. Computer Data Science.

Abstract: Malaria is a female Anopheles mosquito-borne disease that transmits a motile infective form to the host body like humans, which reproduce asexually within the blood cells of the host. The standard symptoms of malaria are fever, headache, tiredness, and vomiting. In severe cases may cause coma and death. During this research, we used deep neural networks

to detect the malaria virus in human blood cells. Traditional malaria detection techniques require experts to check blood cells under a microscope. The proposed method during this research shows a system with end-to-end automated models employing a deep neural network that performs both feature extraction and classification using blood smear cell images. During this research, I've used VGG-19, ResNet-50, Dense Net, Mobile Net, and a base model to find the most effective performing model.

Conclusion of Day-2

Day-2 started of with an informative session by Y. Srinivas Rao, Professor in Department of Computer Science from NIT Warangal on Mathematical tools in designing security protocols. Followed by a series of paper presentations from the participants participating from different locations of our nation. There was a great information exchange in the conference. The attendees discussed the related barriers and solutions. All the students are waiting eagerly for day 3 of IMCOET.

DAY 3

Date of the event	:	23/11/2022
Mode	:	Hybrid
Location	:	Inigo Hall – Loyola Academy
Number of persons attending	:	500+

On 23nd November, 2022, Loyola Academy in collaboration with NIT Warangal organised an international multi-disciplinary conference on emerging technologies 2022 (IMCOET-2022) which focused on emerging technology and trends. The conference was open to the students of computer science and around 500 students were in attendance. During the conference attendees shared their opinions, thoughts, and suggestions on emerging

technologies.

The third day of the conference in Session-3 hosted a lecture on block chain and AI, AR/VR and metaverse for next generation by Dr. Ganesh Harnath, founder, and CEO of Fiducia | AI from California.

GUEST LECTURES

Name of presenter	**:**	Dr. Ganesh Harnath
Organization	**:**	CEO - Fiducia | AI
Topics discussed	**:**	BLOCK CHAIN, AI, AR/VR AND METAVERSE FOR NEXT GENERATION

He started his lecture with massive enterprise data and AI system. He then followed it with high level architecture and AI platforms, AI software architecture, AI applications in which he discussed about need of edge and edge AI platform. He also shared his views on connecting consumers with brands in physical, digital and metaverse, block chain and public block chain integration.

Presenter has a good command over the topic and is highly experienced. Students listened attentively. It will be very useful to the attendees over there. He suggested the students build their own communities in their learning process.

Session-4 of the conference hosted a lecture by Dr. Rakhee On IoT CHALLENGES IN HEALTH CARE SYSTEM

Name of presenter	**:**	Dr. Rakhee
Organization	**:**	The University of West Indies
Topics discussed	**:**	IoT CHALLENGES IN HEALTH CARE SYSTEM

She started her lecture with IoT. She then followed it with its need, its benefits, features, IoT architecture, terminology, applications. She emphasized IoT in healthcare in which she discussed its scope, its advantages, and applications. She also shared her views on IMoT (internet of medical things) and its challenges which focuses on providing better health facilities through IoT devices.

The attendees had a brief explanation on the 4 stages of IoT architecture and its three layers. She has also suggested various IoT projects to the students that would help in prospering their career. The session was very informative with some familiar and interesting topics.

Conclusion of Day-3

The third day of the conference in Session-3 hosted a lecture on block chain and AI, AR/VR and metaverse for next generation by Dr. Ganesh Harnath, founder, and CEO of Fiducia | AI from California. There was a great information exchange in the conference. The lecture from the guest Dr. Ganesh Harnath received massive appreciation from the crowd. The attendees discussed the related barriers and solutions. Season-4 hosted a lecture by Dr. Rakhee on “IoT challenges in the health care system”. This session gave greater insights of Emerging Technology-IoT.All the students are waiting eagerly for the day 4 of IMCOET.

DAY 4

Date : 24/11/2022

Place : Inigo hall - Loyola academy

Mode : hybrid

Loyola Academy in collaboration with NIT Warangal organized an international multi-disciplinary conference on emerging technologies (IMOCET 2022) in the Loyola Hall. The event was open for the school of Informatics. Around 500 students were in attendance.
Gunasekhar Timmarasu, a resource person from Malaysia is invited as a chief guest of the day, but due to his hectic schedule he could not come. According to the sources he may attend on the next day.
The day 4 of the event consisted of all the presentations from the students and faculty from in and outside the college.

Presentation-1

Topic: Voice based e-mail for visually impaired people using artificial intelligence with python

Name of Participant: S. Lakshmi, Loyola Academy
Department: Department of Computer Science & Engineering

Abstract: One of the most common forms of communication among the people is email. Nowadays a lot of secret & Urgent information is shared through emails. So visually impaired people are not able to use computers on their own. These visually impaired people face a problem of communication through email. This is true especially in the case of social networking which these people cannot do without external help. Over 1 billion people in the world are living with loss of sight because they do not get the care they need for conditions like short and far sightedness, glaucoma and cataract, according to the first World report on vision given by the World Health Organization. Here we propose a voice-based email system using artificial intelligence with python where it helps to communicate much better for visually impaired persons.

Presentation-2

Topic: NICE: Network intrusion detection and countermeasure selection in virtual network systems

Name of Participant: T. Pushpa Latha St. Anns Degree College, Hyderabad
Department: Department of Computer science

Abstract: Basically, every industry and even a few sections of the general population are tackling distributed computing today, either as a supplier or as a buyer. Regardless of being young it's not been unbroken untouched by programmers, hackers and other "criminals" to break into the web servers. Once debilitated these internet servers will function as a place to begin for leading any assaults against purchasers within the cloud. One such assault is the Denial of Service (DoS) [1] or its form. Distributed Denial of Service (DDoS) attack. Particularly, aggressors can investigate vulnerabilities of a cloud framework and trade off virtual machines to facilitate substantial scale Distributed Denial-of- Service (DDoS). DDoS assaults more often than not include early stage activities, for example, multi-step misuse, low recurrence vulnerability examining, and compromising recognized defenseless virtual machines as zombies, lastly DDoS assaults through the compromised zombies. Inside of the cloud framework, particularly the Infrastructure-as-Service (IaaS) mists, the discovery of zombie investigation assaults is to a great degree troublesome. To keep vulnerable virtual machines from being traded off in the cloud, a multi-stage disseminated vulnerability identification, estimation, and countermeasure determination system called NICE has been proposed, which is based on assault diagram based logical models and reconfigurable virtual system-based countermeasures. The framework and security assessments show the proficiency and adequacy of the proposed arrangement. In our, we will attempt and execute NICE.

Presentation - 3

Topic: Heart attack monitoring system in home residency

Name of Participant: Dr K. Rama, IQAC Coordinator, Loyola Academy,
Department: Department of Electronics

Abstract: It is difficult to monitor every patient by a doctor/hospital management during this pandemic time. And also, it is not possible to observe the health condition of quarantined people (who are suffering due to COVID-19). Traditionally the detection systems were only found in hospitals and were characterized by huge and complex circuitry which required high power consumption. In order to avoid direct contact with patients we are implementing a system to monitor patient health remotely. The system consists of various sensors for measuring different parameters like Temperature, Oxygen level, Heart Beat (BPM), Body Movement, Humidity, Air Quality. The data collected from these sensors will be transferred via an Arduino GSM module to the Personal Doctor, Hospital Management, Family respectively through an SMS alert. The SMS should contain a link, by clicking on the link the data should be displayed on the web page in a particular manner. If the range of the parameters exceed or succeed it should give an emergency alert.

Presentation-4

Topic: Augmented and virtual reality

Name of Participant: Ruchika Murthy, Loyola academy, Secunderabad
Department: Department of Computer Science and Artificial Intelligence
Abstract: Augmented Reality is not a new technology. Because of several constraints, their actual adoption is prevented. it is a combination of a real and a virtual world. Recent technological progress added immense growth for affordable hardware and software, making AR and VR more viable and desirable in many domains, including education. We're now at a stage to reinvent education. This reinvention consists of explaining the reasons behind the new rise of Augmented reality and Virtual Reality and their actual adoption in education will be a reality in the coming future. the benefit of AR is to blend digital and 3 dimensional components with an individual's perception of the real world. It has a variety of uses in decision making.

Presentation-5

Topic: A review on online digital cheque clearance verification system using blockchain technology

Name of Participant: K.Anitha,, Loyola Academy, Secunderabad
Department: Department of Computer Science & Engineering
Abstract: Our nation uses the Cheque Truncation System (CTS), an image-based check clearing system. An inter-bank national check can clear in our nation in up to 3 working days using this semi- manual approach, although it has several drawbacks. Due to the shortcomings of this system, commercial banks and cheque users must have access to an effective and secure system that can clear a check in less than 24 hours while maintaining the system's integrity and anonymity. This study presents an automated solution to the aforementioned problems that might be implemented by any commercial bank in Sri Lanka. All banks intending to participate in this framework must connect to the proposed block chain-based system, which is the foundation of the proposed system. A comprehensive framework with four primary phases was presented as the solutions: (i) the paper checks clearing process; (ii) the digital check issuing and clearing process; (iii) the check fraud detection process; and (iv) the check transaction security procedure.

The main technologies used for system implementation were Python, the Flutter framework, and Ethereum. Due to Ethereum's enhanced integrity, the suggested method is very scalable. The strategy promotes a significantly faster, easier, and more secure check clearing process for both the customer and the bank. It also offers a quicker and more accurate paper check fraud detection mechanism. By addressing the need to create a secure, efficient environment, the suggested solution helps both the user and the bank.

Presentation-6

Topic: Smart traffic regulation with artificial intelligence

Name of Participant: S.Sarashri, Loyola Academy, Secunderabad
Department: Department of Computer Science and Artificial Intelligence

Abstract: To examine real-time data from various means of transportation like cars, buses, and trains, AI is used in road traffic management. Here, AI analyzes the real-time information which could indicate safety risks. From this, we can say it is used to suggest ways to reduce risks and reduce the number of accidents that occur. This not only reduces traffic congestion but also the time we spend in traffic. With the technology of Artificial Intelligence (AI), road traffic management has changed excessively. AI will predict and control the objects, and vehicles at different points of the transportation very precisely. These digitized traffic lights help us to organize traffic and keep it flowing. Before humans could operate on traffic lights, they used timers, but now computers are controlling the traffic lights. The main purpose of using Artificial intelligence in traffic lights is to make things more efficient and it allows traffic lights to be timed very accurately.

Presentation-7

Topic: Design and development of cholesterol detection using hand print image

Name of Participant: Radhika Rani L, Loyola Academy, Secunderabad
Department: Department of ECT

Abstract: Heart disease is a cardiovascular disease (CVD) is difficult to diagnose due to a number of contributing risk factors, including high blood pressure, diabetes, abnormal pulse rate, high cholesterol and several other factors. Heart disease is a condition when plate-like on arterial walls can block the flow of blood and cause a heart attack or stroke and also several risk factors that can lead to heart disease include unhealthy diet, excessive use of tobacco and alcohol, and being physically inactive. There are several different methods used to classify the severity of heart disease, including neural networks using heart rate time series and this includes Right bundle branch block (RBBB), Left bundle branch block (LBBB). Machine learning based clinical decision making has been recently applied in the healthcare area and deep learning. An original recognizable proof and recognition of cholesterol in the human body by painless technique utilizing picture handling is introduced in this paper. Different examples of pictures with and without cholesterol are taken for the review. These pictures are examined involving mean calculations in picture handling to identify the cholesterol levels. The picture of the patients' finger locale is taken as test pictures, alongside their lab tested upsides of cholesterol. An information base of various scopes of cholesterol values is made utilizing these pictures. The example pictures of various age bunches are gathered with the end goal of simple picture examination and precision. In picture handling, the picture examination is finished in different techniques like mean calculation, middle, standard deviation, histogram examination, dim cutting strategy, and so forth. It was observed that the mean calculation is reasonable for the harmless strategy for identifying the cholesterol levels.

The mean worth of the test picture is then contrasted with the mean worth of the pictures in the data set to decide the cholesterol esteem. From the outcomes it is found that the cholesterol mean qualities are relative to the research facility values.

Presentation-8

Topic: Design of iot based led display board

Name of Participant: Dr. Santhi Chebiyyam, Pramodh Rishi, Loyola Academy, Alwal, Secunderabad
Department: ECT Department

Abstract: Everything around us is becoming smart such as smart phones, smart Loyola Academy, ECT Department, Alwal, Secunderabad televisions, smart refrigerators, so why not smart displays boards for advertisements and notices. Display boards are primary thing in any institute, organization, public utility places like bus stops, railway stations, parks, shopping malls to display information regarding platforms, various advertisements about the products, or important notices. People are now adapted to the idea of the world a its fingertips. The old-wired display boards are controlled by a microcontroller. To change the message, we need to change the microcontroller program code again and again. By adding IOT wireless communication interface, we can overcome these limitations. It is a start to the era of smart and real–time displaying of messages on display boards. This paper explains the development of "IOT Based Real Time Digital Led Notification Display Board.

Presentation-9

Topic: Retinal image analysis

Name of Participant: Shakira Sultana,, Loyola Academy, Alwal, Secunderabad
Department: ECT Department

Abstract: Digital images are obtained from the retina and graded by trained professionals. Progression of diabetic Retinopathy, Glaucoma is assessed by its severity, which in turn determines the frequency of examinations. However, a significant shortage of professional

observers has prompted computer assisted monitoring. The condition of the vascular network of the human eye is an important diagnostic factor in Retinopathy, Glaucoma. The Project proposes the Retinal image analysis through efficient detection of vessels and exudates for retinal vasculature disorder analysis. It plays important roles in detection of some diseases in early stages, such as diabetes, which can be performed by comparison of the states of retinal blood vessels. The combination of multi structure morphological process and Segmentation technique used effectively for retinal vessel detection to identify the diabetic Retinopathy, Glaucoma using neural network.

Presentation-10

Topic: Data security using graph theory

Name of Participant: V. Harsha Shastri, Loyola Academy, Secunderabad
Department: Department of Computer Science

Abstract: Information protection has been an important part of human life from ancient times. Cryptography is one of the most important techniques used for securing transmission of messages and protection of data and Graph theory is one of the techniques used to protect the data. Many techniques are available to encrypt and decrypt the data. Cryptography is mainly used to make the text unintelligible and non-readable so that the opponents cannot understand the meaning of the text. It is used in many applications like e-commerce; electronic communications such as mobile communications, sending private emails; business transactions; Pay-TV; transmitting financial information; security of ATM cards; computer passwords etc, which touches on many aspects of our daily lives. Cryptography provides privacy and security for the secret information by hiding it. It is done through mathematical technique. A cryptographic scheme is secure only if it is unbreakable in a reasonable amount of time, in spite of the fact that the opponent is aware of the algorithm used and key size. In this paper, we are proposing an algorithm that uses adjacent matrix representation of the graph through which key is obtained for encryption and decryption.

Presentation-11

Topic: Students live behavior monitoring in online classes using artificial intelligence

Name of Participant: Dr.K.Vijayalakshmi,, Dean of research, LA
Department: Department of MSCs

Abstract: Due to the health emergency situation, which forced universities to stop using their centers as a means of teaching, many of them opted for virtual education. Affecting the learning process of students, which has predisposed many of them to become familiar with this new learning process, making the use of virtual platforms more common. Many educational centres have come to rely on digital tools such as: Discord, Google Meet, Microsoft Team, Skype and Zoom. The objective of the research is to report on the impact of student learning through the use of the aforementioned video conferencing tools. Surveys were conducted with teachers and students who stated that 66% were not affected in their

educational development. Most of them became familiar with the platforms; however, less than 24% qualified that their academic performance has improved; some teachers still have difficulties at a psychological level due to this new teaching modality. In conclusion, teachers and students agree that these tools are a great help for virtual classes. The primary objective of this project is to create a self-sufficient agent that can offer information to both teachers and pupils. The level of student involvement is directly related to important academic outcomes like critical thinking and the marks students get in a topic.

Presentation-12

Topic: De authentication attack on i.e 802.11 connectivity based on iot technology using node mcu.

Name of Participant: Cyril N Francis, Loyola Academy, Secunderabad
Department: Department of Computer Science and Cyber Security

Abstract: The research aims to know the level of security of WiFi connectivity against de authentication attacks on Internet of Things (IoT)- based devices. It is done through testing using an external penetration test method. The external penetration test simulates an actual external attack without information about the target system and network given. The process starts with accessing the device through the Internet or WiFi by the test target. At the same time, the attacker performs Denial-of-Service (DoS) attacks on WiFi. The attacker uses Arduino ESP8266 Node MCU WiFi with Lua programming. To record WiFi activities, the researchers use CommView for WiFi V. 7.0, and the target is Internet Protocol (IP) camera device. The result shows that the communication of the test target with the gateway is lost, but The Media Access Control (MAC) of the test target is still registered at the gateway. De authentication attacks cause communication paralysis, and several changes occur, such as an increase in data rate, and change in frequency channel, Distribution System (DS) status, retry bits in frame management, and the sequence number.

Conclusion of Day-4: The day 4 of the event consisted of all the presentations from the students and faculty from in and outside the college. And there was great exchange of information on Emerging Technologies.

DAY-5

Date : 25/11/2022

Place : Inigo hall - Loyola academy

Mode : Hybrid

Loyola Academy in collaboration with NIT Warangal organized an international multi-disciplinary conference on emerging technologies (IMOCET 2022) in the Inigo hall. The event was open for the school of Informatics. Around 500 students were in attendance.
Y N Murthy, founder and director of HYKAN technologies is invited as a chief guest of the day, but due to his hectic schedule he could not come. The day 5 of the event consisted of a guest lecture from Guna Sekhar Thangarasu, a resource person from Malaysia followed by a presentation ceremony.

GUEST LECTURE

BIG DATA CONCEPTS AND ANALYTICS

Name of the presenter : Dr. GUNASEKHAR THANGARASU

Organization : MAHSA UNIVERSITY

Dr. Guna Sekhar is a resource person from MAHSA University, Malaysia. He delivered his lecture on big data concepts and analytics which is spreading its wings in the current competitive society. He shared his knowledge over various concepts of big data. Some of them were the evolution of big data, sources of big data, characteristics of big data, big data analytics and industrial applications of big data in which he covered big data in marketing and advertising, big data in education, big data in healthcare and big data in travel, transport, and

logistics. At the end, he shared his views on big data analyzing tools and advantages of big data.

Presentation-1

Topic: AI - A silver lining in the field of IVF

Name of Participant: Dr. T. Suchitra Naidu, Dean of Academics, Loyola Academy, Secunderabad
Department: Department of Biotechnology

Abstract: IVF's success rate has been dormant in the last ten years. The use of AI in IVF processes has the potential to improve the technique's efficacy with the current success rate of 30%. Artificial intelligence (AI), or robots that replicate human intelligence, has grown in prominence as a result of its promise to improve medical outcomes, such as the capability to detect cancer from medical imaging. In this commentary, we talk about whether AI might help with IVF clinic fertility outcomes. We investigate the potential for using AI in a variety of IVF cycle components, such as embryo and egg selection, as well as the design of an IVF treatment plan, based on existing studies. We go over both the potential advantages and the clinicians' and patients' worries about implementing AI in the clinic. We list obstacles that need to be removed before implementation. We come to the conclusion that AI has a bright future in enhancing IVF success.

Presentation-2

Topic: Emerging text mining techniques in big data analytics

Name of Participant: D. Arpitha Rani, Loyola Academy, Secunderabad
Department: Department of Computer Science and ArtificialIntellegence

Abstract: This paper summarizes research on Big data analytics was growing rapidly with the flood of data traffic exchanged day by day. As the increase of vast data demands better data-driven decisions. In view of commercial effect and to overcome competition we are looking forward to the best decision making to manage this we need to go through the optimization of huge sets of data i.e., datasets. Here the idea in this paper is to emerge Text mining techniques with big data which is a powerful tool to analyze textual data and extract knowledge-based information for decision-making. Text mining also identifies various patterns and correlations present in the data. Mining data of various types lead to different challenges these days. There are many tools that are developed to accept various forms and size of data related to the digital world. Text mining techniques such as word association analysis, text clustering, word-level analysis, topic modeling, and information retrieval, sentiment analysis, advanced techniques will be discussed in this paper in detail.

Presentation-3

Topic: A block chain future for internet of things security

Name of Participant: S. Swapna,Loyola Academy, Secunderabad
Department: Department of Computer Science,

Abstract: Internet of Things (IoT) bias are decreasingly being set up in mercenary and military surrounds, starting from smart metropolises and smart grids to Internet- of- Medical-effects, Internet- of-Vehicles, Internet- of- service- effects, Internet- of- Battleground- effects, and may be a wide network conforming of Internet- connected objects using installed software, like home appliances, vehicles, and other realities bedded with detectors, selectors, radio- frequency identification (RFID), and electronics to change data. Block chain has surfaced to come one among the promising technologies that might overcome some of the IoT limitations (security limitations, in particular). Block chain technology may be a database tally that uses a peer- to- peer (P2P) network and stores deals and asset registries. This paper surveyed recent security advances and attempts to beat IoT limitations using block chain related to cyber security have been classified into four orders end- to- end traceability; data sequestration and obscurity; identity verification and authentication; and confidentiality, data integrity, and vacuity (CIA). Block chain technology began to be known with the arrival of crypto coins mining as it is a main technology which has been important to do with the IoT. In this environment where the possibility arises to take advantage of the Block chain armature to authenticate, regularize and cover the relinquishment of data handled by the bias. For IoT safety, the block chain is suitable to cover the information collected by the detectors, without allowing them to be duplicated by any wrong data by using some the algorithms to encrypt the data for security issues. Detectors can also transfer data using Block chain technology, without the need for a trusted third party.

Presentation-4

Topic: Analysis of different ddos attacks in iot network

Name of Participant: T. Ramya, Anurag University, Hyderabad
Department: Department of Computer Science

Abstract: IoT plays a vital role and will change our living styles, standards, as well as business models. The IoT permits billions of gadgets, people groups, and administrations to associate with others. There is a drastic increase in the past decade in the use of these Iot devices. Due to lack of resource constraints like low computational power, less storage capacity, limited battery power, and dispersed network architecture these devices are highly vulnerable to different types of cyber-attack. There is very limited possibility to implement any kind of IDPS or Firewalls in these networks. Distributed Denial of Service attack aims to attack a node in an IoT network, so that the entire network is collapsed. This paper like to focus on the challenges that are faced by an IoT network in terms of DDoS attack This paper gives a detailed description of the types of DDoS attacks in IoT Network.

Presentation-5

Topic: Real time alcohol detection and engine locking system

Name of Participant: G. Naga Babu, Loyola Academy, Alwal, Secunderabad
Department: ECT Department

Abstract: The main purpose behind this project is a “Real Time Alcohol Detection and Engine Locking System”. If traces of alcohol are detected above the set limit, the system will display an alcohol detection notification on the LCD screen, stop the engine, notify loved ones in the form of SMS on their mobile phones and share the vehicle position of. You need to press the button to start the engine, if the sensor detects alcohol when starting the engine, the system will stop the engine and will not start, if alcohol is detected after starting the engine, the system will stop the engine and stops. We usually come across cases of drunk driving, where a drunk driver crashes a car under the influence of alcohol, causing property damage and even human life. So when a driver is drunk and tries to drive, the system detects alcohol in their breath and locks the engine to prevent the vehicle from starting. In another case, whether the driver starts the engine without drinking alcohol when starting the vehicle or is drunk while driving, the sensor will detect alcohol in the exhaled breath and shut down the engine. The car will not accelerate any further. A high alcohol signal from the alcohol sensor will display an alcohol detected notification on the LCD screen and stop the DC motor to indicate motor stall. If alcohol is detected after engine start, the system will disable the engine at that point.

Presentation-6

Topic: Prospects of drones technology in Indian agriculture: A review

Name of Participant: Nawabpet Prudhvi, School of Agriculture, Loyola Academy, Secunderabad
Department: Department of Agriculture

Abstract: India contributes a major share in Agriculture world-wide. Majority of the population in India depend directly or indirectly on Agriculture. Traditional methods need to be replaced by new technologies in farming to get the maximum returns and to cater the needs

of the growing population. One such technology is the implementation of drone usage in various fields of agriculture. Professionally called Unmanned Aerial Vehicle (UAV), they are controlled by an infrared remote system. This review helps in understanding the technology and their usage in Field survey, analysis, pest and disease monitoring, weather forecasting, spraying and ranching.

Presentation-7

Topic: The use of google scholar as an online database technology among researchers

Name of Participant: Mrs. C.VimalaDevi,St.Ann's Degree College for Women, Mallapur, Hyderabad
Department: Department of Commerce

Abstract: Prior research to get an overview of the research topic is difficult in traditional databases. Google scholar, Emerald, Web of Science, Ebsco, Elsevier are few new Information Technology applications in the research area and helping researchers to find peer-reviewed articles, for preparing better literature reviews, citations, books, journals, and thesis. Online databases like Google scholar makes the work of the researchers easy as the ease of using online databases plays an important role in completing research work on time. The present study focuses on various research questions like to what degree researchers find Google scholar helps them in locating and managing the available information and also to what degree researchers feel it is easy / difficult to learn and use Google scholar. The study uses Correlation and Regression analysis to analyze the research question.

Presentation-8

Topic: An integrated single-vendor, single-buyer inventory model for imperfect quality production, imperfect inspection at vendor site

Name of Participant: GundaSrinivasaRao, CMR University, Bangalore and Senior Faculty in Mathematics and Management at KPRIT and KPRIM, Hyderabad,
Department: Department of Mathematics

Abstract: Product quality was not faultless in conventional production/inventory models. By accounting for defective items received from a specific vendor's probability density function, they improved the basic EOQ model. Before selling a large number of products, the seller performed a complete examination at a rate of x units per unit time, where $x > D$. Items that were found to be faulty were held in inventory until the conclusion of each lot cycle and then sold at a discount to the general public. It's possible that items are incorrectly grouped. It's possible to classify non-faulty objects as non-defective and defective things as non-defective. Consumers returned faulty products sold in the market for replacement with fresh

items that were retained in the inventory for future purchases by customers due to an inspection mistake. In this study endeavor, the assumption has been revised to assume that the vendor will check things in addition to producing them. Single-vendor and single buyer paradigm assumes that items are made by the seller. P is bigger than D in industrial industries because of the higher pace of output. A single production setup cycle is used to produce many batches of items, which are then delivered to the customer following inspection. Manufacturing industries' production processes involve machine and human faults, are of poor quality, and can produce some defective items with a specified probability distribution and a probability p f(p). Before distributing things in lots to the customer, all items are inspected to remove B1 faulty items. To save time, the inspection is performed concurrently with manufacturing. x is greater than the pace of item manufacture P (x > P), ensuring that goods produced are examined without delay in manufacturing businesses. Inspections are also subject to error due to the presence of human factors, and as a result, they may uncover any of the following two categories of defects: Type I: With probability e1 and probability density function f, the inspector wrongly identifies non-faulty things as defective (e1) Type II: With probability e2 and probability density function f, the inspector wrongly labels faulty objects as non-defective items (e2). When an inspector makes a type I error, he or she deems a non-faulty item to be defective. It results in a revenue loss of Cj per unit item since some non-defective (labeled as faulty) when disposed of in bulk alongside other damaged goods, receive a reduced price. During a type II inspection error, an inspector incorrectly classifies an item as non-defective. These B2 products are provided to the buyer in each lot to be sold at the market. Customers identify flaws in such things while using them. Clients come to the buyer to get a warranty replacement for broken goods. B2 Each lot cycle ends with a return to the vendor of any defective items that were purchased from customers. The vendor subsequently disposed of these B2 products at a discounted rate shortly after receiving them from the buyer. The cost to the consumer is Cαβ and the cost to the vendor is Cav for selling a faulty item per unit.

Presentation-9

Topic: Water quality monitoring system

Name of Participant: Dr K. Rama,IQAC Coordinator, , Loyola Academy, Secunderabad
Department: Department of ET

Abstract: The quality of drinking water plays a crucial role in the health of animals and human beings. Lakes and reservoirs, canals are one of the major sources of drinking water. Water quality monitoring of these water bodies requires a lot of effort as operators need to get in a boat with all sensors and manually check the entire lake. So we here design a solution for easy water quality checking of vast water bodies with ease.. This RC boat will help to measure the ph level and turbidity level. This will further help us to maintain the water clean. This project is remote-operated and controlled by an RC remote using which it can be maneuvered accordingly, a motorized propeller system to

provide the forward propulsion and servo motor arrangement to provide with the steering using a rudder. As per the commands received by the rc receiver the controller operates the DC motor which rotates the propeller through a flexible bearing and shaft. Now we have a rudder attached to a servo motor used to steer the boat as per controller instructions. Additionally, we have two sensors to determine water quality, we include PH sensors as well as turbidity sensor. These sensors will detect the presence of suspended particles in the water. We also have a GPS module and micro SD card, which will log the data from sensors as well as GPS locations at particular intervals. Thus the water quality monitoring rc boat can be used for water quality monitoring on lakes and reservoirs with ease.

PRESENTATION CEREMONY

It is followed by a presentation ceremony where the winners of the paper presentation are rewarded with best paper presentation certificates. Rev. Father Arul Jothi and Rev. Father Joseph congratulated the participants and awarded the certificates to all the participant.

Following is the list of participants who are awarded the best paper presentation.

S.no.	Name	Designation	College	Title
1	Dr Noornigar	Faculty	St francis de sales college	Artificial intelligence in education: Prospects and challenges
2	Gunda Srinivasa rao	Research scholar	CMR university, bangalore and kprit, hyderabad	An integrated single-vendor, single-buyer inventory model for imperfect quality production, imperfect inspection at vendor site
3	C.vimala devi	Faculty	St.ann's degree college for women, mallapur, hyderabad	The use of google scholar as an online database technology among researchers
4	Ms. t. pushpalatha	Faculty	St. Ann's college for women	Nice: Network intrusion detection and countermeasure selection in virtual network systems

5	J. hari Prasad arao	Faculty	Aurora's degree &pg college	Voice based e-mail for visually impaired people using artificial intelligence with python
6	T ramya	Research scholar	Anurag university	Analysis of different ddos attacks in iot network
7	Karanam lakshmi	Faculty	Bankatlal Badruka college for information technology	Data visualization and multiple linear regression for big mart sales prediction
8	S. siddharth	Student	Bhavans vivekananda college	Iot applications issues and solutions – a study.
9	G. Aparna	Student	Geetanjali college of engineering and technology	Development of gsm based advanced digital door locking system
10	Dr. k. krishnamohan	Faculty	Govt.arts and sciences college, kamareddy	Sustainable agirculture-irrigation, cropping pattern and crop production
11	Dr. k. Vijayalakshmi	Faculty	Loyola academy, degree and pg college, alwal	Students live behaviour monitoring in online classes using artificial intelligence
12	Dr. N. Maria das	Faculty	Loyola academy, degree and pg college, alwal	Sustainable agirculture-irrigation, cropping pattern and crop production
13	Dr. G. Anitha mary	Faculty	Loyola academy, degree and pg college, alwal	Malaria detection using different deep learning models
14	Dr. T . Suchitra Naidu	Faculty	Loyola academy, degree and pg college, alwal	Ai - a silver lining in the field of ivf

15	P sushma	Faculty	Loyola academy, degree and pg college, alwal	Armstrong number encryption standard for smart devices- an iot based encryption algorithm
16	Raman rk	Faculty	Loyola academy, degree and pg college, alwal	Automate data collection of the examination results in affiliated colleges using web scraping techniques
17	Sarashri	Faculty	Loyola academy, degree and pg college, alwal	Smart traffic regulation with artificial intelligence
18	Mrs.k.anitha	Faculty	Loyola academy, degree and pg college, alwal	A review on online digital cheque clearance system using block chain technology
19	Dr. V. Harsha shastri	Faculty	Loyola academy, degree and pg college, alwal	Data security using graph theory
20	Nawabpet prudhvi	Faculty	Loyola academy, degree and pg college, alwal	Prospects of drones technology in indian agriculture: A review.
21	T. Suneetha	Faculty	Loyola academy, degree and pg college, alwal	Educational clouds in creating a new trend for e-learning
22	P. Balaseshukumari	Faculty	Loyola academy, degree and pg college, alwal	A review on two-phase locking protocol to maintain the execution of concurrent transactions
23	D. Arpitha rani	Faculty	Loyola academy, degree and pg college, alwal	Emerging text mining techniques in bigdata analytics

24	Daniel judegonsalves	Student	Loyola academy, degree and pg college, alwal	Virtual data center: Implementation of dcaas
25	Kaushlendrasharma	Student	Loyola academy, degree and pg college, alwal	Exploring a real-time public transport tracking, analysis and management framework using iot ecosystem architecture
26	Pasulasindhu,bottusrirangapriya,kuntananditha	Student	Loyola academy, degree and pg college, alwal	Heart attack monitoring system in home residency
27	Gowtham parth	Student	Loyola academy, degree and pg college, alwal	Cholesterol detection using hand pattern image
28	S c v saicharan ,nouducharan ,b. suswaran	Student	Loyola academy, degree and pg college, alwal	Glaucomo detection using simulation
29	Pramodh, rishi, mohan	Student	Loyola academy, degree and pg college, alwal	Led advertising board using arduino
30	G.naga babu	Student	Loyola academy, degree and pg college, alwal	Real time alcohol detection and engine locking system
31	Cyril n francis	Student	Loyola academy, degree and pg college, alwal	Deauthentication attack on ieee 802.11 connectivity based on iot technology using nodemcu
32	Kata neha	Student	Loyola academy, degree, and pg college, alwal	Water pollution monitoring rc boat
33	Swapna	Faculty	Loyola academy, degree, and pg college, alwal	A blockchain future for internet of things security

S.No.	Name	Designation	College	Title
1	S. Jaya Lakshmi	Student	Bhavans Vivekananda College	Iot Applications Issues and Solutions – A Study.
2	J. Hari Prasada Rao	Faculty	Aurora's Degree & Pg College	Voice Based E-Mail for Visually Impaired People Using Artificial Intelligence with Python
3	Raman RK	Faculty	Loyola Academy, Degree and Pg College, Alwal	Automate Data Collection of The Examination Results in Affiliated Colleges Using Web Scraping Techniques
4	Dr. V. Harsha Shastri	Faculty	Loyola Academy, Degree and Pg College, Alwal	Data Security Using Graph Theory
5	Daniel Jude Gonsalves	Student	Loyola Academy, Degree and Pg College, Alwal	Virtual Data Center: Implementation of Dcaas
6	Gowtham Parth	Student	Loyola Academy, Degree and Pg College, Alwal	Cholesterol Detection Using Hand Pattern Image
7	Cyril N Francis	Student	Loyola Academy, Degree and Pg College, Alwal	Deauthentication Attack on Ieee 802.11 Connectivity Based on Iot Technology Using Nodemcu

Following is the list of participants who are awarded the participation certificate for the papers presented.

Conclusion Day-5

Day 5 of the event consisted of a guest lecture from Guna Sekhar Thangarasu, a resource person from Malaysia on “big data concepts and analytics”. It was an Informative session and students showed great enthusiasm in opening up an interaction with the guest. This was followed by presentation ceremony.

Conclusion of IMOCET 2022 :International Multidisciplinary Conference on Emerging Techniques(IMCOET-2022) conducted from November 21st – 25th, 2022 Organized by School of Informatics & Internal Quality Assurance Cell(IQAC) Loyola Academy (Autonomous) Hyderabad – 500010, Telangana India, in Association with Centre for Continuing Education National Institute of Technology (NIT), Warangal, India.

IMCOET aimed at a common platform to the scientists, faculty, students and Technologists to share and discuss the current research work carried out by them to seek the solutions of the emerging problems of the society for better living conditions.

The Convenors Dr.G.Anitha Mary- Dean of Informatics, Dr.K.Rama - IQAC Coordinator and coordinators Dr. Shakira Sultana HOD Electronics Department Loyola Academy and Prof.H.P.Rani NIT warangal were the core team for the execution of the conference.

The Conference resource persons are from national and international speakers in hybrid mode. Chief Guest Mr.Antony Anish RTD Wing Commander & T Hub - CDO, Keynote addressed by Prof P.V.Sudha from Osmania University, College of engineering, Prof.H.P .Rani from NIT warangal, Dr. Sreenivasa Rao NIT warangal,Prof.GaneshHarinath Founder and CEO Fiducia | AI - US, Prof. Rakhee ,The University of West Indies, Mona Campus-Jamaica, Prof. Gunasekar Thanarassu, Head of Department Professional Industry Driven education MAHSA University-Malaysia were the resource persons for the international conference.

Conference was a grand success with approximately 700 participants per day for 5 days. Among the selected papers 40 paper presentations were conducted and 30 papers peer reviewed and got selected by UGC care1 Journal for publication.

IMCOET conference proceedings were published in major newspapers like ABN Andhra jyothi, Sakshi, Prajadarbar etc.

www.prajadarbar.net

ప్రజాదర్బార్

తెలుగు దినపత్రిక

PRAJADARBAR TELUGU DAILY

Editor : G VENU GOPAL SHARMA

లయోలా అకాడమీలో ముగిసిన అంతర్జాతీయ సదస్సు

వెయ్యి మందికి పైగా పాల్గొన్న విద్యార్థులు అధ్యాపకులు

అల్వాల్, నవంబర్ 24 (ప్రజాదర్బార్): అల్వాల్ లోని లయోలా అకాడమీ లో శుక్రవారం అంతర్జాతీయ సదస్సు ముగింపు వేడుకలు ఘనంగా జరిగాయి. లయోలా అకాడమీ ఐ క్యూ ఏ సి మరియు స్కూల్ ఆఫ్ ఇన్ఫర్మేటిక్స్ సంయుక్త ఆధ్వర్యంలో ఎమర్జింగ్ టెక్నాలజీస్‌పై ఇంటర్నేషనల్ మల్టీడిసిప్లినరీ కాన్ఫరెన్స్ నవంబరు 21 న ప్రారంభమైన ఈ సదస్సు నవంబరు 25 వ తేదీన ముగిసింది. ఐదు రోజుల పాటు జరిగిన ఈ సదస్సుకు సుమారు 1000 మందికి పైగా విద్యార్థులు, అధ్యాపకులు పాల్గొన్నారు. ఈ సదస్సులో పత్రాలు, సాంకేతిక అంశాల పరిశోధన, ఫలితాలలో ఆసక్తికరంగా జరిగింది. ఎమర్జింగ్ టెక్నాలజీస్‌పై అంతర్జాతీయ మల్టీడిసిప్లినరీ కాన్ఫరెన్స్‌కు ఇంజనీరింగ్, కంప్యూటర్ సైన్స్ రంగంలో అనేకమంది పరిశోధకులు ఈ సదస్సులో పాల్గొని తమ అభిప్రాయాలను తెలియజేశారు. గత ఐదు రోజులుగా జరిగిన సదస్సు ముగింపు వేడుకలలో పేపర్ ప్రజెంటర్లకు వైస్ ప్రిన్సిపల్ ఫాదర్ అరుళ్ జోతి, వైస్ ప్రిన్సిపల్ ఫాదర్ జోసెఫ్ మనూర్ లు సర్టిఫికెట్లను అందజేశారు. ఈ సదస్సులో విద్యార్థులకు వారి వారి కెరీర్ భవిష్యత్తును రూపొందించడంలో ఇలాంటి సమావేశాలు మరింత దోహదపడతాయని తెలిపారు. ఈ సదస్సును నిర్వహించిన స్కూల్ ఆఫ్ ఇన్ఫర్మేటిక్స్ డీన్ డాక్టర్ అనిత మేరీ ఆర్గనైజింగ్ కమిటీని అభినందించారు.

సాక్షి

మాస్క్ నిర్వహించారు. 25వ డివిజన్ కార్పొరేటర్ దంపతులు శాలువాలతో సత్కరించారు.

లయోలలో ముగిసిన అంతర్జాతీయ సదస్సు

అల్వాల్: లయోలా అకాడమీ ఐక్యూఏసీ, స్కూల్ ఆఫ్ ఇన్ఫర్మేటిక్స్ సంయుక్త ఆధ్వర్యంలో ఐదు రోజులుగా జరిగిన ఎమర్జింగ్ టెక్నాలజీస్‌పై ఇంటర్నేషనల్ మల్టీ డిసిప్లినరీ కాన్ఫరెన్స్ శుక్రవారం ముగిసింది. ఈ సదస్సులో సుమారు 1000 మందికి పైగా విద్యార్థులు, అధ్యాపకులు పాల్గొన్నారు. ఇంజనీరింగ్, కంప్యూటర్ సైన్స్ రంగంలో అనేక మంది పరిశోధకులు ఈ సదస్సులో పాల్గొని తమ అభిప్రాయాలను తెలియజేశారు. శుక్రవారం ముగింపు వేడుకలలో పేపర్ ప్రజెంటర్లకు వైస్ ప్రిన్సిపల్ ఫాదర్ అరుళ్‌జ్యోతి, ఫాదర్ జోసెఫ్ మనూర్ సర్టిఫికెట్లు అందజేశారు. ఈ సదస్సులు విద్యార్థులకు తమ భవిష్యత్తును రూపొందించుకోవడానికి మరింత దోహదపడతాయని అన్నారు. ఈ సదస్సును నిర్వహించిన స్కూల్ ఆఫ్ ఇన్ఫర్మాటిక్స్ డీన్ డా.అనిత మేరీ, ఆర్గనైజింగ్ కమిటీ అభినందించారు.

సర్టిఫికెట్లు ప్రదానం చేస్తున్న ప్రతినిధులు

Date: 26/11/2022, Edition: Hyderabad(Malkajgiri), Page: 11
Source : https://epaper.sakshi.com/

...యన్నారు. విద్యార్థులు సాంకేతికతను అందిపుచ్చుకోవడంలో ముందుండాలన్నారు. టెక్నాలజీ పరమైన మార్పులు దానికి సంబంధించిన రీసెర్చ్ పేపర్లను ప్రజెంట్ చేయడానికి వివిధ దేశాలల నుంచి అధ్యాపకులు, విద్యార్థులకు సర్టిఫికెట్లను అందించారు. సదస్సును నిర్వహించిన ఆర్గనైజింగ్ కమిటీని స్కూల్ ఆఫ్ ఇన్ఫర్మాటిక్స్ డీన్ డాక్టర్ అనిత మేరీ అభినందించారు.

Date: 26/11/2022, Edition: Hyd_Uppal_Malkajgiri, Page: 7
Source : https://epaper.andhrajyothy.com

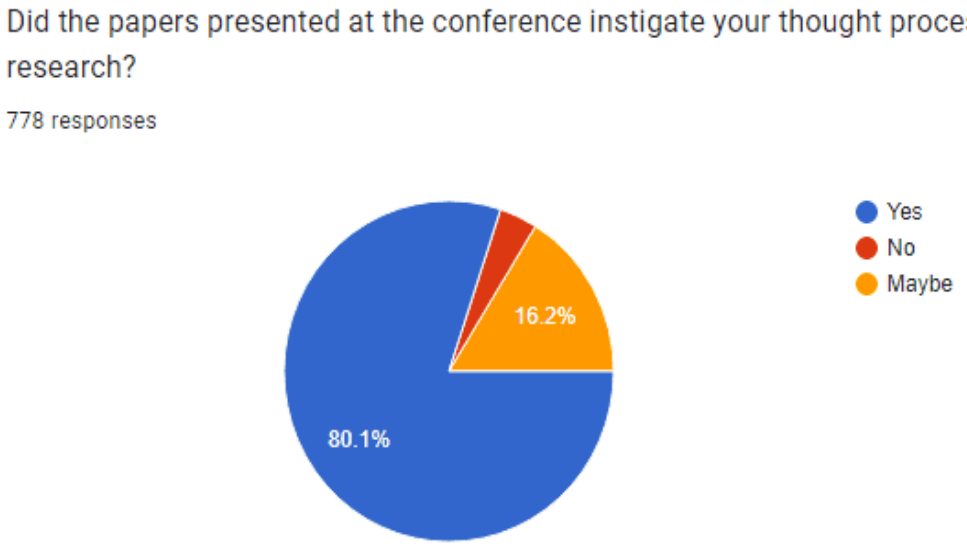
Feedback of the Conference

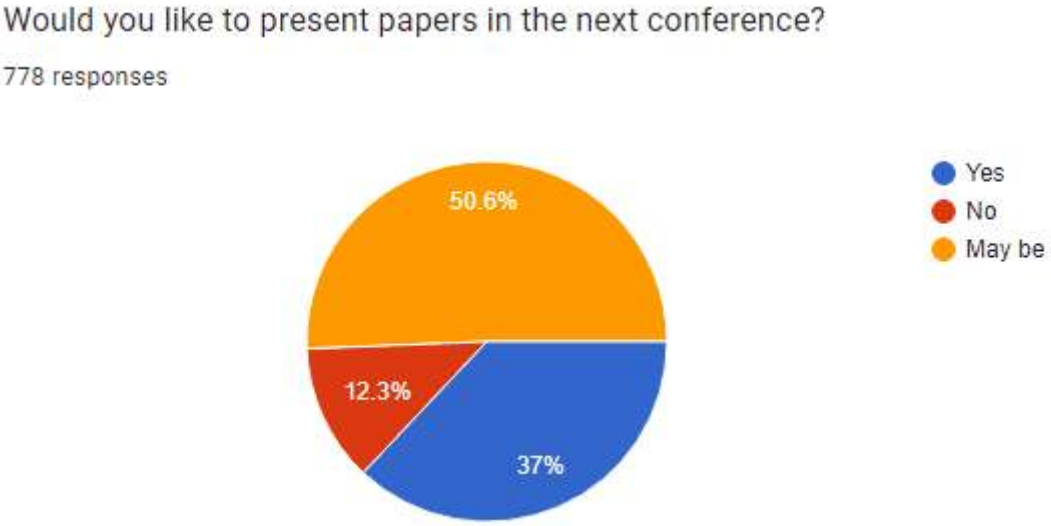
After the completion of the conference feedback was took from the participants on different aspects as follows

- Papers presented at the conference instigating participants towards research
- Participants interest in presenting papers for the future conferences conducted by college.
- Participants interest in participating in such type of conferences conducted by the college.

778 responses were recorded and the statistics is presented based on their responses. Following are the feedback screenshots:

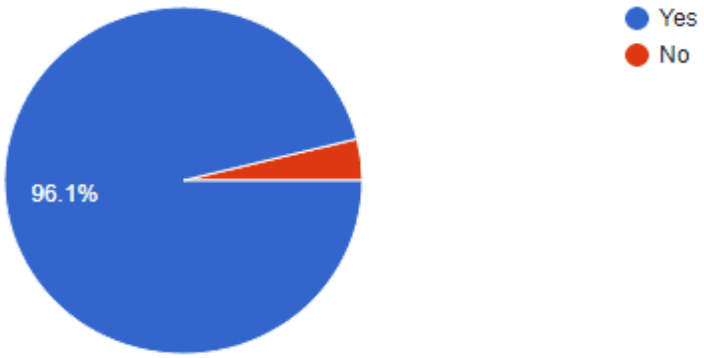
Feedback screenshots





Would you like these kind of conferences to be conducted in the future?

778 responses



8. Global Emerging Leadership Program – Unleash Your Potential

Loyola Academy collaborated with Global Emerging Leadership Program (GELP) for a two-day international conference on emerging trends in leadership, education and careers, on December 1st and December 2nd, 2022. GELP is a Canadian social enterprise that aims at developing leadership programs for students and young professionals.

On the first day of the conference, the distinguished speakers from the organization in Canada, GELP, consisted of Indigenous knowledge keepers, Indigenous Elders, Academic Executive Leadership and Organizers from Entrepreneurship and Social Innovation backgrounds. Among them were Omar Karim, Founder and President; Gwen O'Mahony, MBA, MScIB PR and Government Relations Specialist, GELP; Dr. Ravi Chandra Raju, Ph.D. Ashoka Fellow and Cofounder of DYN Naturals, India; Luke Nixon-Jansen Director, Marketing and Business Development, Magnet, Toronto Metropolitan University; Sobhana Jaya-Madhavan, Associate Vice President, External Relations, Simon Fraser University; Lyndsay Passmore, Program Chair, Melville School of Business, Kwantlen Polytechnic University; David Woodward, Executive Leadership Coach and Work Integrated Learning Faculty, Vancouver Island University; Seth Recalma GELP Member of the Nuu-chah-nulth and Kwakwaka'wakw peoples.

The conference was conducted with the help of various members from management: the Chief Patron of the conference was Rev. Fr. Ch Amara Rao SJ, Rector and Correspondent and the Chief Facilitator was Dr. Ravi Chandra Raju, Ashoka Fellow and Cofounder of DYN Naturals. The organizers were, Dr. Swaralipi Nandi, Head of the Department of English, who acted as the Convener; Dr. G. Ratna Vani, Dean of Arts and Humanities; Dr. K. Rama, IQAC Coordinator; Dr. N. Mariadas, lay Vice-Principal; Dr. T. Suchitra Naidu, Dean of Academics and Mrs. K. Saras Chandra, Dean of Student Affairs. The management members were Rev. Fr. M Arul Jyothi SJ, Vice Principal UG and Rev. Fr. Dr. A.M. Joseph, SJ, Vice Principal PG.

The objective was to develop leadership development and also, to equip global leaders with tools to create change and empower students and young professionals within all communities. They also intend to provide relevant skill-based learning and experiences that will challenge the next generation to discover themselves in their reflective journey and identify their career and pathway. The outcome was to make students and young professionals explore various skills, developing leadership skills, global citizenship and sharing Canadian Knowledge and ways of knowing, by choosing 25 students from all over India to apply to the leadership programs in Canada, that would help students gain experience and also a new perspective on their route of becoming a leader.

The conference consisted of two-panel discussions: Emerging Trends in Education & Careers in the 21st century, the moderator for the panel was Dr. V.Smitha and the panelists were Gwen O' Mahony, Principal Consultant, O' Mahony Consultancy, PR and Govt. Relations specialist, GEL; Luke Nixon, Social Entrepreneur and Director, Marketing & Business Development, Magnet, Toronto Metropolitan University; Dr. Ravi Raju, Ashoka Fellow and CoFounder of DYN Naturals, India; Omar Karim, Founder and President, GELP.

The student panelists were Michelle Golconda from Mass Communication and Ansh Bansal from BBA, Loyola Academy. The second panel discussion was on Time Management: Navigating Procrastination, Stress, and Planning, the moderator for the panel was Sobhana Jaya-Madhavan, Associate Vice President, Simon Fraser University and President of the BC India Business Network and the panelists were David Woodward, Executive Leadership Coach and Work Integrated Learning Faculty, Vancouver Island University; Gwen O' Mahony, Principal Consultant, O' Mahony Consultancy, PR and Govt. Relations specialist, GELP; Lyndsay Passmore, Past Program Chair, Melville School of Business, Kwantlen Polytechnic. The Student Panelists were Tanay Singh, from EL and K.L.N.V Shruthi from EPC, Loyola Academy.

Each panel discussion has two student representatives. The students had an effective and interactive discussion with the moderator and the panelists on various dimensions of trends in different education and career. The discussion also included an insightful discourse on stress and different ways to manage and cope with stress. The panelists and student panelists had a perceptive discussion that also included their awareness and experiences regarding stress.

The conference also included four workshops

The Master Communicator, which aims to improve an individual's in-person and virtual public speaking skills by incorporating new techniques and best practices to aid in the delivery of your message to your audience. It helps an individual to develop their public speaking skills through the use of new techniques. The second workshop, Navigating Information Overload, explores various approaches to developing working relationships with coworkers, defining roles, and achieving a healthy work-life balance. It helps an individual to evaluate information critically in a time of misinformation. The third workshop, Embracing a Growth Mindset, focuses on embracing one's mindset and applying it in one's daily life. It also teaches people how to embrace their mindset and use it to overcome challenges The fourth workshop, The Modern Workplace, enables students to gain a deeper understanding of how technology affects knowledge sharing and how to analyze and navigate information while conducting proper research. It also raises awareness about various ways to adapt to a hybrid/remote work environment.

Global Emerging Leadership Program focuses on improving the communication skills of the students, which would directly assist them to become better leaders. They value lifelong learning and the ability to connect. The conference concluded with an interactive session with students and young professionals.

On the second day of the international conference organized by Loyola Academy in collaboration with GELP, two speakers from the field of Psychology, Mr. Santosh Vennamala and Dr. Diana Monteiro were invited for an informative and interactive session. The speakers

talked about the importance of psychological well-being , its components and ways through which it can be enhanced.

The insightful conference began with speaker Mr. Santosh Vennamala who effectively elaborated on the topic 'Mentoring for Success'. It primarily dealt with the importance of having a mentor, especially for students. He further stressed on how guidance of mentors can bring healthy and positive outcomes. Additionally, he enlightened students on the nature of goals they should set in order to derive desirable outcomes. Lastly, he inspired students and staff to keep exploring new outlooks in life to gain meaningful experiences.

The session was followed by Dr. Diana Monteiro's talk, who threw light on 'Enhancing Quality of Life'. She discussed how a proper balance of thoughts, emotions and behavior is essential. In addition to that she educated students about the importance of sleep and how inadequate sleep can hinder one's quality of life. Moreover, she emphasized on the importance of seeking therapy and in what ways it can help an individual to overcome distressing situations in their life. At last,students were encouraged to ask questions and clear their doubts and the speaker enthusiastically clarified their queries. The event came to an end with felicitation of the guest speakers, Mr. Santosh Vennamala and Dr. Diana Monteiro. A vote of thanks was delivered by Dr. Swaralipi Nandi, the convener of the conference, extending gratitude to the Principal, Vice Principal, Fathers, invited guests, staff, student council members, volunteers and all the participants for making the conference a success.

9. National Workshop on ‘Comprehensive Growth through Skill Enhancement

Date: 15 & 16 September, 2022

A ‘2 - Day National Workshop on Comprehensive Growth through Skill Enhancement Courses’ was organized by the Skill Enhancement Cell & IOAC, Loyola Academy in collaboration with TWG International on 15 & 16 September, 2022. To realize the cognizance gained through Skill Enhancement Courses and to give the students the required exposure in fields that may or may not be in line with their under-graduate courses, opportunity to share their perspectives and focus on comprehensive growth & personality development was the motive of organizing the workshop.

The ceremony for the inauguration of the workshop took place on the first day wherein chief guests, members of the management, students - participants and otherwise was invited. Rev. Fr. Dr. L. Joji Reddy SJ, the principal, Rev. Fr. Arul Jyothi SJ, the vice principal (UG) and Rev. Fr. Joseph SJ, the vice principal (UG) delivered their messages to the students and laid emphasis on how important it is for everyone to enhance their skills. The chief guests for the day were Mr. Madhukar Babu, Joint Director MSME & Commissioner of Industries, Govt. of Telangana & Prof. E. C. Surendranath Reddy, Registrar Dr. YSR Architecture & Fine Arts University and Prof. in BT and the guest of honour was Mr. Shaik Abdul Rahman, CEO of TWG International who also addressed the gathering and shared their views on comprehensive growth.

Shortly after that, the competition and the exhibition of modules began simultaneously. A couple of learned people

1. Dr. Krishna vardhan Reddy (Associate professor from Badruka college),

2. M. Swapna (Assistant professor from Matrusri Engineering college)

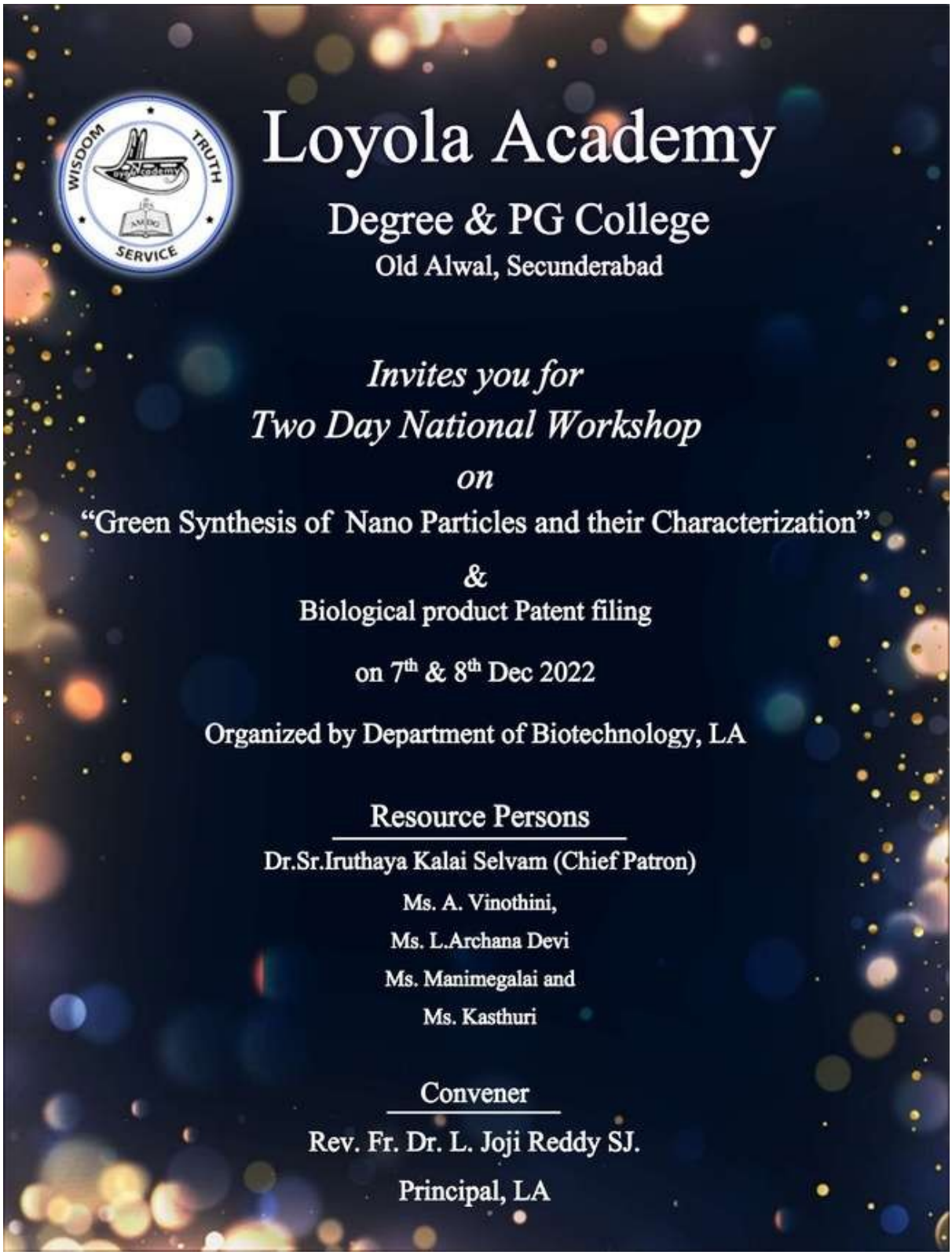
3. S. Madhavi Latha (Assistant professor from keshav memorial college of Management)

4. Dr Vani (Associate professor from St Joseph college, Director for skill development centre) were invited to judge the presentations in the workshop. The participants presented their work on various topics in such a way that provoked the thoughts of the audience and ignited their minds with new perspectives. Participants from other colleges like Avinash College of Commerce, Kasturba Gandhi Degree College and other colleges from other state like Sacred hearts and science college and Madras university (Tamilnadu) participated in the workshop. The presentations continued even on the second day until noon.

The closing ceremony of the workshop started at noon after the competition got over. Every contender was given a participation certificate on stage by the dignitaries and the winners were given cash prizes as well. After the prize distribution was over, the vote of thanks was proposed and the event concluded with the National Anthem.


LOYOLA ACADEMY

10. National workshop on ‘’Green Synthesis of Nanoparticles and their characterization’ ’and Biological product patent filing



A 2-day National Workshop on Green Synthesis of Nano particles and their Characterization & Biological Product Patent Filing was conducted on 7th & 8th December 2022 by the School of Science to facilitate the overview of recent methods for the production and characterization of the green synthesis of nano particles, and analysis part and emphasize biological product patent filing.

Resource persons

- Dr. Sr. Iruthaya Kaliya Selvam (Chief Patron)
- Ms. A. Vinothini,
- Ms. L. Archana Devi,
- Ms. Manimegalai and
- Ms. Kasturi

Convener

- Rev. Fr. Dr. L. Joji Reddy SJ.
  (Principal, Loyola Academy)

Summary

The two days' workshop was tailor-made to facilitate the overview of recent methods for the production and characterization of the green synthesis of nano particles, and analysis part and also emphasize on biological product patent filing.

The workshop was conceptualized with the intention of knowledge-building on the fundamentals of research concepts, methodologies and processes in addition to providing hands-on training on green synthesis of nano particles and their characterization.

The objectives of the workshop were

- To biosynthesis of nano particles.
- To characterization of nano particle & data analysis
- To develop skills for Intellectual property right (IPR)

The workshop was conducted free of cost to the students. The workshop was organized using available resource persons and infrastructure in the institute itself.

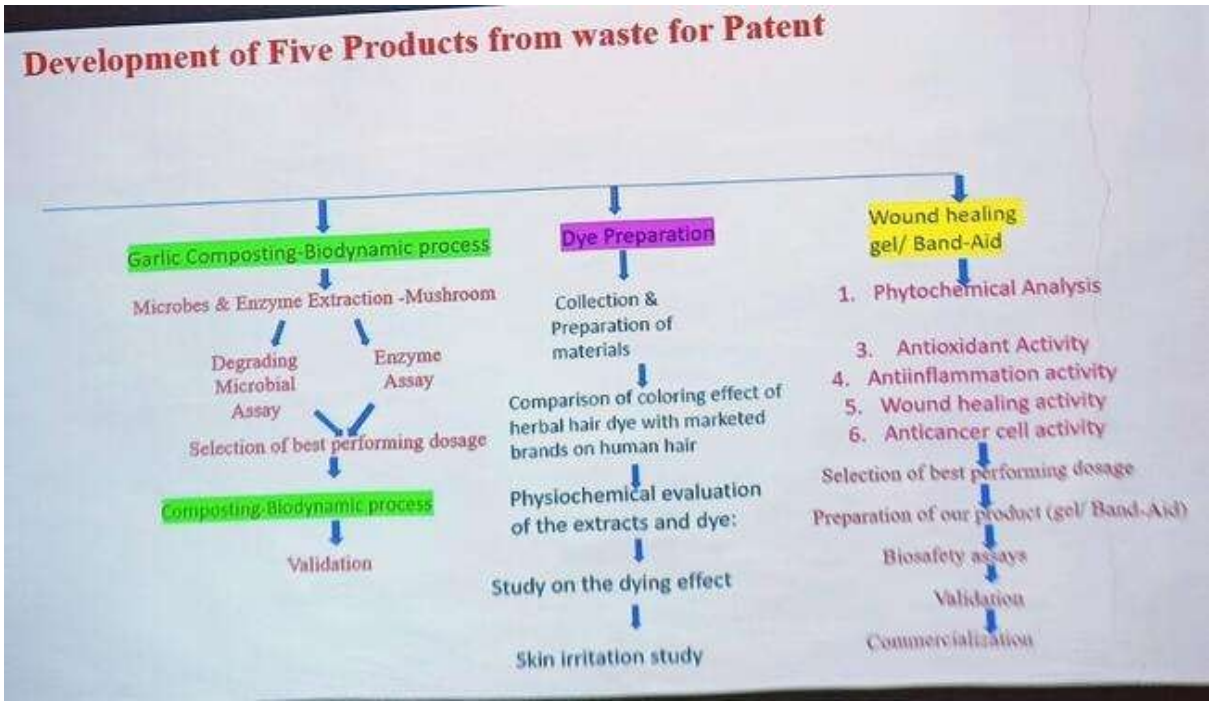
Workshop Coordinators

- Dr. P. Suresh Kumar, HOD & Assistant Professor, Department of Biotechnology (Coordinator)
- Dr. Suchitra Naidu, Dean of Academy and Assistant Professor, Department of Biotechnology, (Co-coordinator)
- Madhuri, Assistant Professor, Department of Biotechnology, (Co-coordinator)
- N. Kavitha, Assistant Professor, Department of Biotechnology, (Co-coordinator)

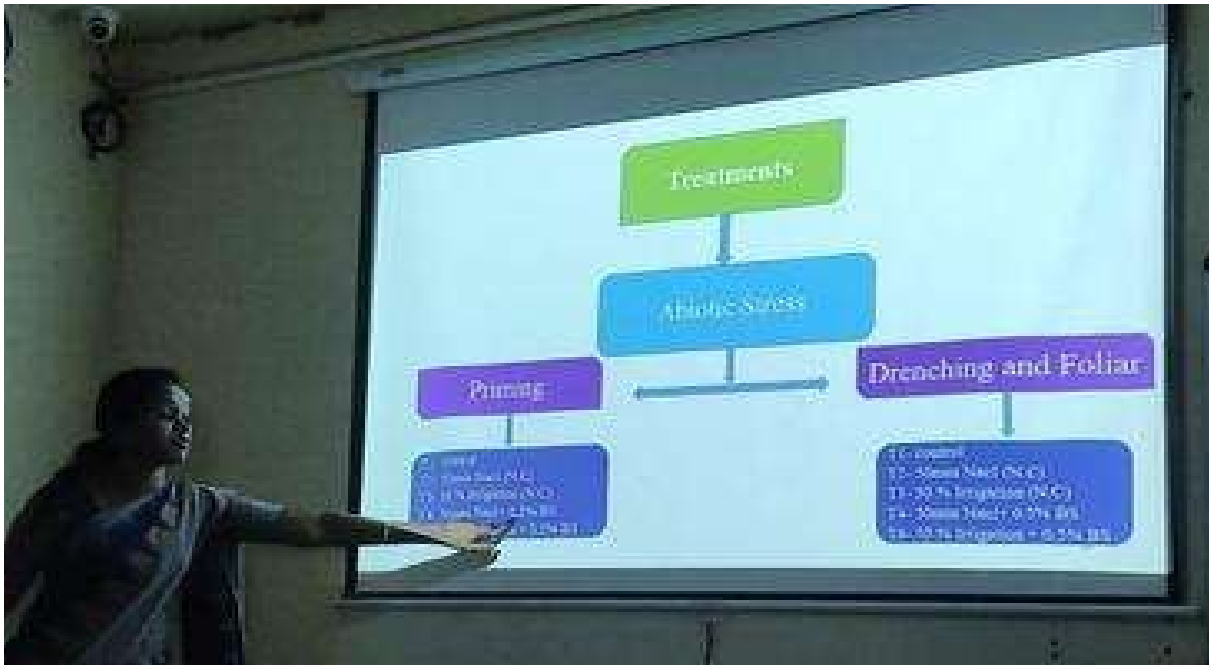
- M. Carine, Assistant Professor, Department of Biotechnology, (Co-coordinator)
- Dr. Rajni Devi, Assistant Professor, Department of Biotechnology, (Co-coordinator)

The workshop which was held on 7-8 December 2022 was attended by students and all faculty members from departments of Biotechnology. The workshop started with the inauguration at 9:30 AM on 7th December. Dr. Suchitra Naidu, Workshop Co-Coordinator and Assistant Professor, Department of Biotechnology gave the welcome speech and introduced the Workshop to the audience. The programmer was inaugurated by Rev. Fr. Dr. L. Joji Reddy SJ. Dr. P. Suresh Kumar gave a felicitation speech for the programme.

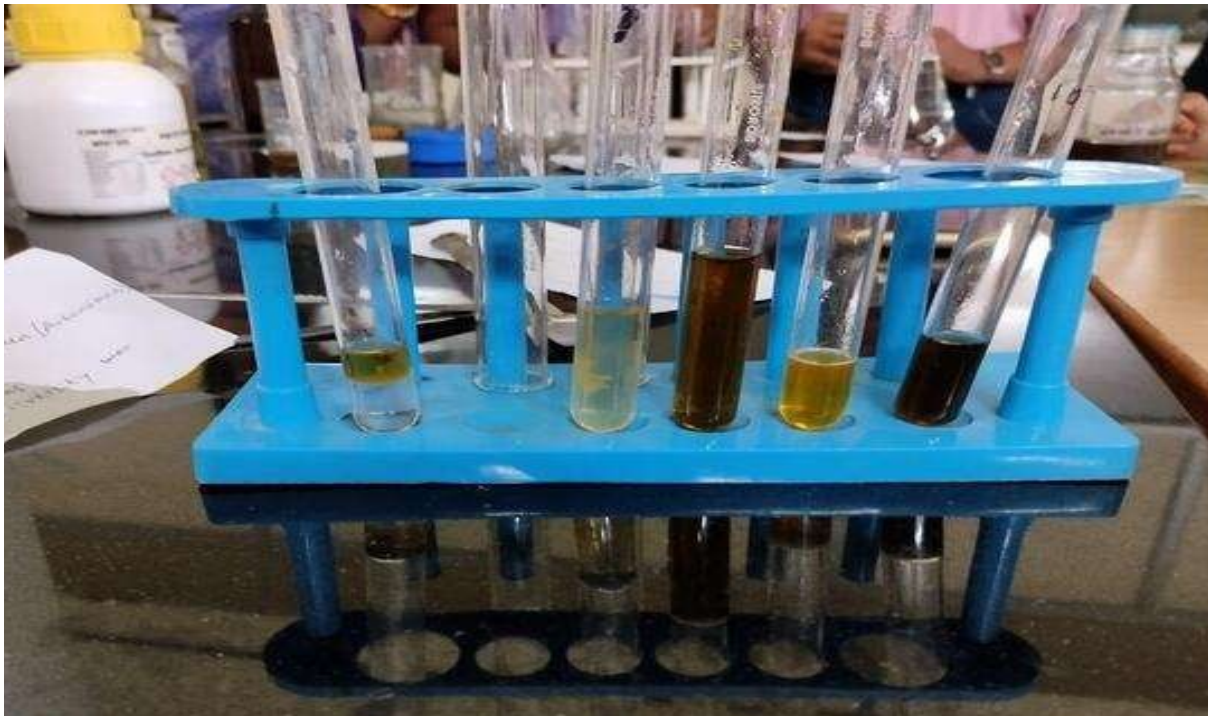
The workshop started with the session on to develop skills for Intellectual property right (IPR) and development of product from waste for patent by Dr. Sr. Iruthaya Kaliya Selvam (Chief Patron).



The next session, ‘To biosynthesis of nanoparticles’ was handled by Ms. Kasturi and Ms. L. Archana Devi.



Second day, the first session, ‘to characterization of nano particle & data analysis’’ was taken by Ms. Kasturi and Ms. L. Archana Devi. This session was followed by ‘Data Analysis & Presentation in synthesis of nano particle and IPR property by Dr. Sr. Iruthaya Kaliya Selvam.



The Valedictory function of the two days' workshop was held at 4:30 PM on 8th December 2022. The student participants gave positive feedback on their learning experience during the two-day workshop in the feedback session. The valedictory address was given by A. Madhuri and N. Kavitha, workshop coordinator. Vote of Thanks was given by M. Carine and Dr. Rajni Devi workshop coordinator.

The workshop ended with a group photo session.

Feedback of the Workshop

78% of the participants gave an overall evaluation of the workshop as good, while 22 % evaluated it as extremely good. Most of participants evaluated the resource persons as good.

11. National Seminar on Impact of COVID on Informal Economy of Telangana (ICSSR-SRC)

We (Loyola Academy) Thank ICSSR –SRC for sanctioning partial assistance, to conduct the seminar titled, "Impact of COVID on Informal Economy of Telangana with Special reference to Hyderabad". The detailed report on day-wise proceedings of the seminar conference highlighting objectives and outcomes is provided.

Importance of the Seminar:

In India there are more than 50 Crore workers, engaged in organized and unorganized sectors. Among them around 90% of workers are engaged in unorganized sector, that do not have access to social security (Government of India). To improve the situation of unorganized workers, the Government of India brought in an Act called the Code on Social Security, 2020, amending and consolidating the laws relating to social security. Its goal is to extend social security to all employees and workers either in the organized or unorganized or any other sectors. According to this code, "social security" means the measures of protection afforded to employees, unorganized workers, gig workers and platform workers to ensure access to health care and to provide income security, particularly in cases of old age, unemployment, sickness, invalidity, work injury, maternity or loss of a breadwinner by means of rights conferred on them and schemes framed, under this Code (Ministry of Labour & Employment, Government of India).

Even before the Social Security Code was passed and its possible positive impact, COVID pandemic erupted in 2019 and made the condition of marginalized people more vulnerable with various kinds of deprivations. The migrant workers traveled back home to their villages taking up long and difficult journeys. Many households lost their employment, livelihoods and earnings, pushing them into poverty (UNICEF & Institute for Human Development, 2021).

Why Focus on Urbanity?

COVID's impact was more on urban areas. It was not only the loss of livelihood, but the informal workers suffered with numerous difficulties. The urban communities lagged behind their rural counterparts with respect to availability of ration cards and availability of adequate food. In addition to livelihood and availability of food, the impact of COVID was on almost every sector like health, education and social security. Though large numbers of migrant laborers returned to their homes in villages, the others who stayed back in large slum habitations were at higher risk of transmission of infection (UNICEF & Institute for Human Development, 2021).

It is well recognized that the daily wage migrant laborers, street vendors, auto or rickshaw drivers, construction and utility workers called "city-makers" had no work and no social security benefits. Small businesses and freelancers operating in the gig economy lost their livelihood. It Is estimated that migrant wage earners including the seasonal and circular laborers are estimated at over 50 million (Balwant Singh Mehta, 2021).

The major impact of COVID led lock-down was on urban informal workers and more so on migrant labor from rural areas working in urban areas. The loss in employment and incomes immediately threatened their access to food and non-food essential items, rented accommodation and shelter. Though there were two commissions/committees (NCEUS) focusing on the issues of informal workers including migrants in the years 2007 and 2017, there is a lack of understanding regarding the scale and nature of the problem faced by migrants and their protection (Srivastava, 2020).

The Objectives of the Seminar were:

To generate evidence of the impact of COVID-19;

- On livelihoods & Incomes of migrant workers, informal workers and small businesses
- Pattern and reasons of movement of migrant workers
- Access to Food, Health & Hygiene, Education
- Access to Direct Benefit Transfers
- Different benefits from the State and Central Governments
- Awareness about the Social Security

Themes of the Sessions, Objectives and Outcomes

Session 1: Inauguration

The seminar had a rich beginning with 3 Chief Guests speaking about the importance of the seminar theme and how it can be useful for policy.

The Chief Guests were:

- Prof. B J Rao, Vice-Chancellor, University of Hyderabad
- Dr. S. Glory Swarupa, Director General, NIMSME, Hyderabad
- Dr. V. Usha Kiran, Sr. Professor & Dean, Faculty of commerce, Osmania University, Honorary Director, ICSSR-SRC.

Prof. BJ Rao spoke about the need for initiatives, utilizing the youth of the country in light of the pandemic. S. Glory Swarupa, provided the statistical analysis and data regarding the state of the informal economy and workforce, and highlighted the importance of Udyam registration to informal enterprises to receive the incentives and support provided by the Government. Dr. Usha Kiran, spoke about reverse migration and the need to examine, document and analyze the trends. She also made participants aware of the selection process of ICSSR project and seminar funding. Dr. Bhavani Akkapeddi, seminar convener, spoke about the seminar theme and expressed that the seminar was conducted with the objective of gathering evidence on the state of informal economy, to spread awareness and sensitize students and academicians regarding the living conditions of the 'city makers'. For quality research output and reach, Loyola Academy collaborated with Social Exclusion and Inclusive

Policy (CSSEIP) - University of Hyderabad (UoH). It happened because of the cooperation and ideological symmetry of Dr. Bhavani and Dr. Rani. Thanks to the collaborator of the seminar, Dr. Rani Ratna Prabha, Associate Professor, CSSEIP, Prof. Ajailiu Niumai, Head, CSSEIP, and University of Hyderabad for making collaboration possible. Dr. Rani introduced CSSEIP and spoke about how seminar objectives and CSSEIP's agenda match collaboration was possible. Thanks to The Rector and Correspondent. Fr. Ch Amara Rao SJ and Rev. Fr. Dr. L. Joji Reddy SJ, Principal was present at the inaugural ceremony and addressed the participants.

Session 2: Access to Food, Health & Hygiene and Education

The Key Resource Persons for session were Prof. Ajailiu Niumai, Head, CSSEIP, UoH & Senior Research Associate, Department ofSociology, University of Johannesburg, SouthAfrica (2022-2025) and Prof. L C Mallaiah, Babasaheb Bhimrao Ambedkar University, Lucknow. Prof. Ajailiu Niumai spoke about the impact of COVID on food and culture with special reference to North East India. She shared her research, how the northeastern people experienced the feeling of discrimination because of their oriental features and looking like Chinese. She spoke about the racism and ostracisation faced by the northeastern migrants during the pandemic, based on her research.Prof. Mallaiah spoke about impact of COVID on employment, poverty, migration, food supply, health facilities, GDP, production and imports and exports. He highlighted the need for vision and policy to revive the economy and emphasized the importance of dignity of labor.

Session 3: Impact of COVID on Livelihoods & Incomes of Migrant Workers, Informal Workers and Small Businesses

This session was by practitioners from business and Government. The speakers were Sri. Chakka Sai Krishna, Proprietor, Sree Venkateswara Enterprises, who has operations across India, in the Railway Network (IRCTC), Sri. Srinivas Bibo, MD, Acer Engineers Pvt Ltd, who are the producers of water with 'Bibo' brand. He is also into production of Tollywood entertainment industry and produces Telugu and Tamil language movies. Government official, Mr. Chandra Sekhar Joint Commissioner, Labour Department, Government of Telangana was also part of the panel. The businessmen spoke about their success and challenges. Mr. Srinivas of Bibo said, they did not close for one day and did not retrench even one employee, during COVID, though their turnover got hit due to the work from home option given to Software professionals, as it constituted one of the major part of their business segment. Mr. Sai Krishna shared how their business got very badly hit, as railways were fully or partially not functional for around 6 months and the post COVID impact on their business, as there was a significant change in consumer preferences and behavior, negatively impacting their sales and revenue. One such change is people started preferring home made. Mr. Chandra Sekhar spoke about different initiatives taken up by the Government of Telangana to help the migrant workers and informal workers. Telangana identified and surveyed the number of workers, asked the industries to make it a paid holiday and restricted working hours for their employees. Interstate coordination teams were set up to arrange safe return for other state workers. A helpline and support centre was set up for better implementation of welfare measures and shelter homes. It was followed by paper presentations.

Session 4: Patterns and reasons of movement of migrant workers

Prof. Sreepati Ramudu of CSSEIP, UoH was the Key resource person for the Session.He analyzed the impact of mass exodus of migrant workers during the pandemicHe spoke about the issues related to equity, by highlighting the fact of increasing number of billionaires on the one hand and the plight of informal workers and migrant workers on the other.
It was followed by paper presentations.

Session 5: Impact COVID on Education

It was a panel discussion on the impact of COVID on education.

The resource persons were:

- Dr. J Rani Ratna Prabha, CSSEIP, UoH
- Fr. A M Joseph Kumar SJ, Vice Principal, Loyola Academy
- Mr. G Srinivasulu, Lecturer, Government Degree College for Women, Begumpet
- Ms. Larissa, Counsellor, Loyola Academy

The speakers shared about the loss of learning and related research. Ms. Larissa discussed the psychological trauma and the ways to come out of it. Fr. A M Joseph Kumar SJ spoke about scant resources for some of the students, to attend, online classes, the student understanding and attention challenges. Mr. G Srinivasulu spoke about the challenges faced by teachers and students from rural areas.Dr. Rani highlighted the positive impact of COVID on education, in terms of technology, improving access to quality resources, across the globe. It is important to adapt to the changes forced on us by the pandemic in the field of education. It was followed by paper presentations.

Session 6: Impact on small businesses, Direct Benefit Transfers, Schemes of the State and Central Governments & Social Security Schemes

Mr. BM. Balakrishna, proprietor, Aquapot and Mr. Sanjay Banka, Executive Chairman of Banka BioLoo pvt Ltd. Were the resource persons for the session. Mr. Balakrishna spoke about how difficult it is to get a loan from bank, for a small business and Mr. Sanjay spoke about the importance of registering the firms, keep account of the transactions to showcase the transparency to all the stakeholders including banks. He also spoke about the importance of collaboration of Government, Industry, NGOs and Educational Institutions in contributing to the growth and development of the country.

Session 7: Paper presentations

Session 8: Reporter's Report

Valedictory Address by Rector and Correspondent, Rev. Fr. Ch Amara Rao SJ appreciating the efforts and impact, in terms of awareness creation about the informal economy.

Address by Principal, Rev. Fr. Dr. L. Joji Reddy SJ wanted the students and faculty to get exposed to quality research through seminars like this and more publications.

Vote of thanks by Dr. A. Bhavani- Seminar Convener.

Followed by National Anthem

The seminar marks a milestone in social responsibility of educational institutions and Loyola Academy in spreading awareness on Informal sector and providing dignity and respect to the workers of the sector. The organizers state that the seminar is a step towards bettering.

Seminar is of great use in creating evidence on the state of informal economy, spreading awareness and sensitizing people.

A total of 124 persons registered for the seminar as participants. Amongst them there were 48 faculty members, 16 research scholars, 2 from Corporate/industry and 59 students. The participants belonged to the disciplines of Management, Commerce, Science, Economics and other Social Sciences.

The participants are from various colleges and universities Osmania University, University of Hyderabad, Yogi Vemana University, Marathwada University, RBVRR Women's college, St Pious Degree and PG College, St. Francis College, NIPER University, Siva Sivani Institute of Management and many more. It was followed by Book Reviews and Article Reviews.

The participants presented research papers, few book & article reviews and poster presentations. Some of the titles of the research papers are:

1. An Overview about the Impact of Covid-19 on Migrant Workers in India
2. COVID Havoc: Hunger Shadow on Hyderabad, from Unemployment and Income Losses
3. COVID 19: An Unexpected Visitor
4. COVID's Effect on the Lives of Migrant Workers
5. Impact of COVID on Women and Children
6. A Study on Perceptions of Students on Virtual Learning Environment during COVID 19
7. A Catastrophe to Migrants in Telangana State - Mobility and Pattern during COVID - 19
8. Impact of COVID on Women Migrant Workers: A Critical Appraisal.
9. Intersecting forms of Vulnerabilities Experienced by Women Workers
10. Interstate Migrant Workers amidst Pandemic – Challenge To Humanity
11. Schemes Introduced by the Central Government to Small and Micro Business to Overcome COVID 19 Crises.
12. Impact of COVID on Small Businesses-Adequacy and Access to Different Schemes of the State and Central Governments.
13. Students Experience with Online Learning during COVID -19 Pandemic
14. Women Living on the Margins of the Informal Sector
15. Issues and Challenges of NGOs Developing Farmer Producer Organizations (fpos) in Gujarat –A Case Study

INDIAN COUNCIL OF SOCIAL SCIENCE RESEARCH
Southern Regional Centre
Osmania University Library
Hyderabad

GRANT-IN-AID BILL

Received with thanks from the Southern Regional Centre of Indian Council of Social Science Research, Hyderabad a sum of **Rs 10,000/- (Rupees Forty thousand** only) in favour of **Principal, Loyola Academy** by Cheque / draft No.___________ dated ____________ Drawn on State Bank of India, Osmania University Branch, Hyderabad towards the second installment of the total grant of **Rs 50,000/- (Rupees Fifty thousand** Only) sanctioned vide **letter No.124/ICSSR – SRC/2022 dated 22-07-2022** towards the organization of the **Onsite Seminar** entitled **"Impact of COVID on Informal Economy of Telangana with Special Reference to Hyderabad"** to be held on 29th and 30th of September 2022.

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Principal of College/
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Signature of the Seminar Director on Revenue Stamp
Name: - BHAVANI AKKAPEDDI
Designation: - Associate Professor
Address: - Loyola Academy
Secunderabad

12. Community national conference on “Empowering Communities for Sustainable Transformation in Holistic Education, Social Work, and Health” (Let US Dream)

Loyola Academy, Alwal, conducted a Community Conference on "Empowering Communities for Sustainable Transformation in Holistic Education, Social Work and Health" on 23rd January, in collaboration with Christ University, Bangalore and Let Us Dream.

We are honoured to have Prof. D. Ravinder, Honourable Vice-Chancellor Osmania University, as the Chief Guest. Padmasri Ravi Kumar Narra, Fr. Dr. Lijo Thomas, Sri Vijay Kumar IAS, Dr. Susai Manickam Chellappa IAS (Retd), Bishop John Gollapalli, Sri Samuel Annand Kumar IAS (Retd) and Ms. Grace Nirmala Mallela graced the seminar as Guests of Honour.

Rev. Fr. Ch. Amara Rao SJ, Rector and Correspondent, and Rev. Fr. Dr. L. Joji Reddy SJ, President - Xavier Board of Higher Education India, Recipient of Best Educationist Award from Government of Telangana and Principal of Loyola Academy, Prof. D. Ravinder, Honourable Vice-Chancellor Osmania University, and the guests of honour presided over the lighting of the lamp.

Ms. Grace Nirmala, Dalit Human Rights activist, facilitator of Jogini Vyavastha Vyatireka Porata Sangatana and Founder of Aashry, Jasper Paul, founder of Second Chance Foundation, Dr. S. Abraham, CEO-Indian Christian Matrimony and Social worker, Mr. K. Sahadevaiah, Founder President of Navjeevan Organization and promoter of Entrepreneurship, Mr. Ravi Babu, Chairman of Martha Memorial Trust and social worker, and Dalitharatna David Kadari, Dalit Human rights Activist and President of AICF graced the panel for Social Work Conference.

Dr. Ashiah Chauhan, Senior Consultant at Apollo Hospital and founder of Nathan's Learning Forum, Sister Anne, Director of Vijay Marie Hospital and Principal of Vijay Marie School of Nursing, and Dr. Jayalatha, a leading Neuro Radiologist and Director of MNJ institution of Oncology graced the panel for Health.

Dr. Susai Manickam Chellappa IAS (Retd), former Collector of Srikakulam and Hyderabad and currently a Human rights activist lawyer was the moderator for the Holistic Education panel, while Mr. Samuel Anand Kumar IAS (Retd) dubbed pro-poor Collector and widely associated with various welfare movements, Bishop John Gollapalli, founder and president of COUNT & Agape Ministries serving the poor since 1978 through education and development programs, Mr. Venkaiah Pasam, MD of Alpha91 KP solutions, and Mrs. G. Prameela Naveen Kumari, a Socio-Environmental Entrepreneur supporting employment for women graced the panel for Holistic Education.


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LET US DREAM

The students of Loyola Academy were represented by a student panelist in each of the panels, enabling active participation from the students.

The conference was of great use in promoting awareness on the subjects, raising a discussion on Empowering Communities for Sustainable Transformation in Holistic Education, Social Work and Health of evidence and in sensitizing people to the need of the hour.

13. Youth Leadership Training Camp

Date: 29th- 30th August 2022 and 1st - 2nd September 2022
Venue: Dhruva College of Management
Time: 9:30am to 4pm

Guests of honor:

A.K. Vaidyanath,

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

Dr. K. Rama,

Dr. Bhavani

Inauguration by:

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

Dr. K. Rama,

Dr. Bhavani,

Dr. Veeraswamy

Facilitators:

Mr. Rajiv Luv

Mr. Vivek Patki

Aim: To enhance leadership qualities, achieve vital skill sets, help students in self-confidence and improve communication skills. To provide a base for strong networking among people.

Report: The event started by reciting the national anthem, after which, the dignitaries were welcomed onto the stage to light the lamp symbolizing the beginning of the 2-day event. Following the lighting of the lamp, a brief introduction of the facilitators Mr. Vivek Patki and Mr. Rajiv was given.

Workshop

Session 1: Sharpening Vital Skills by Mr. Vivek Patki

The first session was conducted by Mr Vivek Patki on sharpening vital skills.

What skills are vital for a person depends on his or her goals and situations in life

Mr Patki started by saying a few wise words on skills. Problems are our opportunity to acquire new skills, before beginning anything we must ask ourselves what the best way to proceed would be. A skilled person gives more output, better quality, in less time.

One example of a skill set he mentioned was start using your skill at whatever level you are. If you want to be a swimming champion, you can't be sitting on the edge of the pool and wondering when to step in. You just need to step in at least the shallow part of the pool first hold the edge and paddle with your feet first. You need to be an Eklavya- champion self-learner who starts participating and keeps at It.

He also gave us a few tips on time management.

To manage time well, create healthy pressure in your life. Pressure of goals.

Use waiting time for networking by shutting up your inner fear.

three steps for a timetable:

Step 1: provide maximum 60% of your time for doing important things that are not urgent.

Example: studying today for tomorrow.

Step 2: provide extra time for each activity to the extent of 20%.

Leave the remaining time free.

Session 2: Setting and Achieving Goals by Mr. Rajiv Luv

The next session was conducted by Mr Rajiv where he spoke about setting and achieving goals along with the qualities of a leader

The top three qualities of a leader Are:

- clear goals
- Communication
- Confidence

He also mentioned the fact that in order to become a leader first you have to learn to lead yourself.

In order for a leader to have a vision they need to set a goal. Now this goal can be anything.

But a goal is a statement of measurable result to be achieved.A goal gives a direction. It helps to see the bigger picture. It keeps you motivated.

To set your goals, you need to keep asking yourself what you really love doing and what do you want to become in your life.In order to start something, you need to have a strong enough reason for why you want to start and also a strong reason for how you will make it happen.
The ratio should be why 80% and how 20% because if you have a strong reason to do something then you will find the best way possible to complete it.

There are three main questions you need to ask yourself to check your goal:

- Do I really love doing this?
- Will I do it even if I was not paid anything?
- Will I do it for the rest of my life?

Important points in setting goals:

- Goals must be personal.
- Goals must be in writing.
- Goals must be challenging.
- Goals must be specific.
- Goals must be measurable.
- Goals must be exciting.
- Goals must be realistic.
- Goals must have a time limit.

How to achieve goals:

- Make a goal book.
- Make plans for each goal.
- Take actions on your plans for
- Take help from other people.
- Believe that you can achieve your goal.
- Don’t listen to negative people.
- Talk to yourself in a positive language.
- Follow the KASH rule. Where K stands for knowledge A stands for attitude S stands for skills H stands for habits.
- Cut off your distraction internal and external.
- Spend 60% I’ll see your working time on goal achieving activities.
- Do what is necessary to achieve your goals.

Session 3: Communicating Effectively by Mr. Vivek Patki

The third and final session for the day again started with Mr Vivek Patki where he taught us how to communicate effectively.

Five steps for effective communication:

- Empathize with the audience or readers.
- Decide the results that you want.
- Arrange contents in correct order.
- Rehearse or redraft.

How to give a self-introduction

- A drag.
- Give your name with something interesting that imprints your name in their minds.
- Tell them how you are useful either through your hobbies or family business..

Session 4: The Power of Habits by Mr. Rajiv Luv

Mr. Rajiv Luv began the session with an introduction into the nature of habits and defining Habit'. Habit is defined as a routine of behavior that is repeated regularly & has become so automatic that it is difficult to break.

Mr. Rajiv Luv further established the formation of habits and the importance they hold.

Habits are developed due to various reasons, some of them being stress, boredom, repeated or learnt behavior, strong purpose, reinforcements and in pursuit of benefit.

The participants were asked to list out their good habits,bad habits and the effects they have on their life in a short activity. After the activity, Mr. Rajiv Luv taught how to replace bad habits with productive habits by understanding the 3 phases of a Habit.

The three phases of a habit are as follows:

- Trigger: A trigger is the starting point of a habit and are mostly emotion driven. It can be an object, time, location, feeling or even a person.
- Routine: A routine is the behavior or action that is a result or a response to the trigger
- Reward: A reward is the benefit you experience for performing your routine. It can be a good grade, satisfaction, peace of mind or Dopamine release.

A bad habit can be replaced by following a three-step process of:

- Admitting and understanding why a bad habit was developed.
- Getting internal and external support.
- Linking Pain to the Bad Habit and Pleasure to the Alternative Habit.

The participants were then asked to identify a bad habit they want to replace and a habit they want to replace it with.

The bad habit can be replaced by either avoiding the trigger or associating the trigger with an alternative action. This alternative action must be performed within 5 seconds of the trigger to effectively replace the bad habit.

Session 5: Understanding Self and Others by Mr. Vivek Patki

Mr. Vivek Patki began the session by stating that God gave us four gifts to help us keep our lives on track. These gifts are Self Awareness, Conscience, Imagination, Willpower.

He stated that, "Our willpower is weakening over time because we are breaking small promises that we made to ourselves." We can strengthen our willpower by keeping to our promises and thus get our lives back on track.

Mr. Patki asked the participants to make 4 equilateral triangles with 6 pens. This activity was meant to test the imagination and creative problem solving of the participants and convey their importance to them. Mr. Patki urged the participants to use their imagination to the highest potential in achieving their goals.

He also taught the participants how to communicate with others in disagreement without escalating the argument further. This involves using "I statement" instead of "Your statements" and empathizing with the person.

He also mentioned how fear must be used to protect ourselves from unnecessary risks but should not be a hindrance to our progress. Fear must be used to assess risks and take appropriate steps to eliminate it and commence action.

He ended the session by asking the participants to read the book "How to Win Friends and Influence People" and urged the participants to show genuine interest in other people's lives and build healthy relationships.

Session 6: Coming together – A Beginning by Mr. Rajiv Luv

This session was an activity based, interactive session designed to teach the participants how to communicate, problem solve and work in a team towards a common goal. The participants were grouped in numbers ranging from 7 to 9 and were made to work together to solve problems and riddles amongst other things. The teams were guided along to rectify their shortcomings as the activities continued.

Valedictory
Guests of Honour

Rev. Fr. Arul Jothi, Vice Principal, Loyola Academy, Dr. Ch. Sireesha, Vice Principal, Loyola Academy, Dr. Bhavani, Co-Ordinator, Innovation & Entrepreneurship Development Cell Dr. Ravi Chandra Raju, Certified Host & Organisational Psychologist and Co-Founder of DYN Naturals Pvt. Ltd., Dr. T. Racheal Shalini, Dean of School of Management, Loyola Academy were invited to the valedictory ceremony as the Guests of Honour.

Commencement

The valedictory ceremony began with the ceremonious welcome of the Guests of Honour and the facilitators which was succeeded with the singing of the national anthem.

The Emcee for the ceremony, Prof. Priya Naidu requested the facilitators and the guests of honour to speak a few words to guide and inspire the participants as the camp was closing to an end. The Guests of Honour were also presented with mementos to honour their presence and celebrate the event.

Mr. Vivek Patki and **Mr. Rajiv Luv** urged the participants to put the knowledge they have gained in the camp to action in their professional and personal lives. They wished the participant the very best in their lives and encouraged them to set higher goals and strive toward excellence.

Dr. Ravi Chandra Raju recalled his time with the Forum of Free Enterprise as a student and thanked the Forum for the opportunities they have provided to him in the past and to the students at present. He further asked a few participants to volunteer and speak on what they learnt in the sessions and what they valued the most in it. He urged the students to take chances, seize opportunities and be confident in their actions. He emphasised the value of feedback and how it helps in bettering oneself. Dr.Raju concluded his speech motivating the participants to become leaders in their lives and others.

Rev. Fr. Arul Jothi SJ spoke about the qualities of a leader. He inspired the students to lead from within by stating that a leader doesn't tell his team to "go", rather, he would say"Let's go". He emphasised that a true leader feels one with his

followers and empathises with them. He also urged the participants to be sharp, smart, and disciplined in their actions and conduct.

Dr. T. Rachel Shalini spoke about the importance of networking in today's competitive world to be successful and relevant in any field. She also encouraged the participants to network with others when an opportunity presents itself. She then thanked the management of Dhruva College of Management, Forum of Free Enterprise, M.R. Pai foundation, Loyola Academy Management and everyone who worked towards the success of the 2-day leadership camp. Dr. Shalini concluded her speech conveying her best wishes to the participants.

Closing

The event came to a close with the vote of thanks from Apeksha, Student of Loyola Academy who thanked each and every one present for their participation, the Managements of Dhruva College of Management and Loyola Academy, Dr. Bhavani and Prof. Priya Naidu who were vital to the success of the 2-day event and everyone who strived to make this event a grand success.

14. GECF (Global Education Career Forum)

15. Faculty Induction Program

Loyola Academy academic committee and IQAC jointly organized an induction program for the newly recruited faculty on Saturday, 02 July, 2022 at Loyola Hall. The objective of this induction program for new faculty is to help them understand their roles and responsibilities as faculty members and familiarize themselves with the structure, functioning and professional expectations in Loyola Academy.

Rev. Fr. Dr. L. Joji Reddy, Principal Loyola Academy, Degree & PG college briefed the faculty about the **institution, its vision and mission, the organogram and its functionalities.**

Faculty Induction Program (FIP) was designed as per Modules prescribed in UGC Guidelines, 2019, Guru Dakshta manual.

The module titled **"Curriculum Designing, Outcome Based Learning and Choice based Credit System"** was delivered by Dr. T. Suchitra Naidu, Dean Academics.

The module on **Examination system** highlighting the internal components of assessment and attendance were delivered by Mr. Jagadhish, Controller of Examinations.

The module on **Dress code and Value based education** was delivered by Dr. Ratna Vani, Dean of Arts & Humanities.

The module on **Classroom management & Project Guidance** was delivered by Dr. Rachel Shalini, Dean of Management.

The module on **Leave management, maintenance of attendance registers, and teaching diary** was delivered by Dr. Shirisha, Lay Vice Principal.

The module on **Research, Paper presentation** and its importance was delivered by Dr. M. Veeraswamy, Dean of Commerce.

The modules on ERP Management and Mentoring were delivered by Mr. Shiva Rama Krishna and Mrs. Jessica Kamthan.

Feedback was solicited from the participants in response to which they appreciated the gesture shown by Loyola Academy in terms of choice of Subject Matter Experts, providing an interactive learning environment and content delivery.

The program concluded with Vote of thanks and the National anthem.

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PHOTOGRAPHS OF FIP

16. TOT (Faculty training)

TOT programme 2022-23

Training of the trainee programme was organized by Loyola academy for the staff. The programme aimed to improve the staff in aspects such as leadership, communication, coordination, etc. The learning outcomes and insights of the programme are given below.

BATCH-II TOT (Date: 18-04-2023)

Day-1 Learning outcomes & Insights

TOT day 1 focused on leadership skills. It helped the staff execute operational vision in classes. The importance of both verbal and non-verbal communication was highlighted. It was also mentioned that communication and coordination were 2 important things when it comes to teamwork. The significance of team work and coordination were described beautifully with the help of various activities for the faculty staff. The concept of johari window was explained in order to help the trainees thrive. The qualities of a leader and a follower were detailed. Apart from the stature of explaining, the significance of effectiveness of listening and perceptiveness was explained. The trainees were urged to work while keeping 3 things in mind, their purpose, vision and values. Thinking out of the box, being proactive, and being open to feedback are a few other tips that were given to the trainees.

BATCH-II TOT (Date: 19-04-2023)

Day-2 Learning outcomes & Insights

While day 1 focused on encouraging leaders, day 2 of the programme was mainly focused on the qualities a person would require while working with a leader. The programme highlighted the need of understanding the role of a leader in order to be a better teammate. Apart from the qualities of a follower, the nature of teams were explained to the trainees. Time management, setting goals, problem solving, resolving conflicts and decision making are few other things mentioned for the day. Teaching analysis and the difference between a good and excellent teacher was highlighted. The importance of identifying potential and encouraging it was signified. The trainees were explained about the responsibilities, duties and the importance of clarification of doubts before proceeding with plans or decisions.