MARIS STELLA COLLEGE (AUTONOMOUS)

VIJAYAWADA-8

Workshop on Fostering Leadership: Empowering Tomorrow's Leaders

A Report

"Give me 100 energetic and motivated young men, and I shall transform India," proclaimed Swami Vivekananda. With youthful vigour, students exhibit high levels of curiosity, seeking novelty for pleasure, satisfaction, and motivation. If guided appropriately during this stage, youth become invaluable assets to the nation, capable of driving progressive transformation and leadership. To foster and nurture such leadership qualities and skills, students at Maris Stella College were engaged in an enriching workshop titled "Fostering Leadership: Empowering Tomorrow's Leaders," on February 22, 2024. Reverend Father Bala Yesu CppS, a Counselling Psychologist, and Mr. Arjun Machiraju, Programme Manager of Care to Action-India, Vijayawada, served as resource persons.

The workshop aimed to cultivate leadership skills and mindset among students to thrive as future leaders. It featured interactive sessions, group activities, and real-world case studies, enabling participants to explore various facets of leadership and understand effective leadership styles, theories, and models. Objectives included introducing diverse leadership styles, enhancing essential skills like communication, critical thinking and problem-solving, and facilitating self-assessment to identify strengths and leadership potential.

The session inspired students to not just learn about leadership, but to embrace the concepts and apply them actively. Through interaction, discussion, and positive feedback, students were motivated to explore opportunities for personal growth and peer recognition. As a result, they were exposed to practical leadership skills applicable in academic, professional, and personal spheres, fostering confidence to overcome challenges with resilience. The workshop, attended by Dr. Sr. Lavanya, Dr. G. Little Flower, and 600 students, provided invaluable insights and tools for students to emerge as impactful leaders in their future endeavours.

Rev. Fr. Bala Yesu CppS, a Counselling Psychologist, and Mr. Arjun Machiraju, Programme Manager of Care to Action-India, Vijayawada interacting with students during the workshop on "Fostering Leadership: Empowering Tomorrow's Leaders" on 22.02.2024 at Maris Stella College auditorium.

MARIS STELLA COLLEGE HOLDS WORKSHOP

MV Syam Sundar
Vijayawada

FR Bala Yesu, a counselling psychologist, addressing the workshop on 'Fostering leadership: Empowering Tomorrow's Leaders,' at Maris Stella College here on Thursday said Swami Vivekananda said 'Give me 100 energetic and motivated young men, and I shall transform India.'

He said that with youthful vigour, students exhibit high levels of curiosity, seeking novelty for pleasure, satisfaction, and motivation. If guided appropriately during this stage, youth become invaluable assets to the nation, capable of driving progressive transformation and leadership, he added.

Arjun Machiraju, programme manager of Care to Action-India who was another resource person.

The workshop aimed at cultivating leadership skills and mindset among students to thrive as future leaders. It featured interactive sessions, group activities, and real-world case studies, enabling participants to explore various facets of leadership and understand effective leadership styles, theories, and models. Objectives included introducing diverse leadership styles, enhancing essential skills like communication, critical thinking and problem-solving, and facilitating self-assessment to identify strengths and leadership potential.

Workshop was attended by Dr Sr Lavanya, Dr G Little Flower and 600 students.

Workshop on Fostering Leadership: Empowering Tomorrow's Leaders
Organised by the IQAC

Date: 22 February 2024   Time: 9.00 am   Venue: Auditorium

Workshop Overview:

"Fostering Leadership: Empowering Tomorrow's Leaders" is a comprehensive workshop designed to equip students with the essential skills and mindset needed to become effective leaders in their respective fields. Through a combination of interactive sessions, group activities, and real-world case studies, students will explore various aspects of leadership and develop practical strategies for personal and professional growth.

Objectives:

- To introduce participants to different leadership styles, theories, and models to enhance their understanding of what it means to be a leader.
- To develop essential leadership skills such as communication, decision-making, prolem-solving, conflict resolution, and emotional intelligence.
- To help students identify their strengths, weaknesses, values, and leadership potential through self-assessment exercises and feedback sessions.

Outcomes:

Upon attending the workshop, the students will

- Experience personal growth and self-discovery through reflective exercises and experiential learning opportunities.
- Develop practical leadership skills that can be applied in academic, professional, and personal settings.
- Gain confidence in their abilities to lead effectively and navigate challenges with resilience and adaptability.

RESOURCE PERSONS

Rev.Fr.Bala Yesu, CppS
Counselling Psychologist

Mr. Arjun Machiraju
Programme Manager
Care to Action - India, Vijayawada

Convenor
Dr. C. Krishnaveni, IQAC Coordinator

Organising Committee
Deans of Student Affairs

MARIS STELLA COLLEGE (AUTONOMOUS), VIJAYAWADA

DEPARTMENT OF ECONOMICS

LEADERSHIP TRAINING REPORT 2023

The department of Economics organized a Two-day leadership training on 11th September 2023, with the collaboration with MR Pay Foundation with this leadership training programme Final B.A student get knowledge on various aspects that is on personal development of student's improvement of skills among students which enlarge the thinking power of students. The programme is focused on learning experience on Goal Setting and Sharpening Communication Skills next day they focused on Mastering of Habits and focus on Problem solving abilities of students and it is also focused on Enhancing essential team Work and building Meaning Full Connections.

III BA STUDENTS ATTENDED LEADERSHIP TRAINNING 0N 11TH SEPTEMBER 2023

III BA STUDENTS ATTENDED LEADERSHIP TRAINNING 0N 11TH SEPTEMBER 2023

Lampooning by Guests on Leader Ship Training on 11th September 2023

Dr.K.Swaroop Kumar address the gathering on 11th September 2023 Leadership Training Programme.

Leadership Training Camp for College Students

(In memory of the late M.R. Pai, arranged by M.R. Pai Foundation, Mumbai, jointly with Forum of Free Enterprise, Mumbai and Maris Stella College, Vijayawada on 11th & 12th September 2023.)

Programme

Monday, 11th September 2023

09.20 a.m.   Welcome/ Purpose of the camp/ Inauguration

09.50 a.m.   Vote of thanks

(At this stage the students will be divided into two groups and proceed to two different rooms for the sessions)

Faculty: **Mr. Rajiv Kumar Luv & Mrs. Clarissa Jathanna**

10.00 a.m.   **Group I**: Session on **Goal Setting & Achieving**: *A Roadmap to Success*
              Group II: Session on **Sharpening Communication Skills**

11.30 a.m.   Break

11.45 a.m.   **Group I**: Session on **Sharpening Communication Skills**
              Group II: Session on **Goal Setting & Achieving**: *A Roadmap to Success*

01.15 p.m.   Lunch Break

02.00 p.m.   **Group I**: Session on **Mastering Habits**: *Unlocking Personal Potential*
              Group II: Session on **Decision-Making and Problem-Solving Abilities**

03.30 p.m.   Camp ends for the day

Tuesday, 12th September 2023

09.00 a.m.   **Group I**: Session on **Decision-Making and Problem-solving**
              Group II: Session on **Mastering Habits**: *Unlocking personal Potential*

10.30 a.m.   Break

10.45 a.m.   **Group I**: Session on **Enhancing Essential Teamwork Skills**
              Group II: Session on **Believing in Oneself**: *Building Meaningful Connections*

12.15 p.m.   Lunch Break

01.00 p.m.   **Group I**: Session on **Believing in Oneself**: *Building Meaningful Connections*
              Group II: Session on **Enhancing Essential Teamwork Skills**

02.30 p.m.   ***Valedictory session***:

              Feedback from the participants

              Distribution of certificates

03.00 p.m.   Vote of thanks

The English Access Microscholarship Program at Maris Stella College is a unique initiative aimed at students with low English communication skills. Sponsored by the U.S. Department of State and U.S. Embassies, this student-centered program provides English language skills to underserved students primarily those aged 13 to 20, through extracurricular classes and activities. The program offers participants a foundation in English language, leadership, professional skills, and exposure to U.S. culture and democratic values, potentially enhancing their job and educational prospects

The objectives of the Access Program are to equip students with effective English language communication and critical thinking skills through meaningful interaction, cooperative and student-centered learning strategies, interest and age-appropriate activities, and real-life applications. The service-learning component of the program increases students' awareness of issues in their communities and empowers them to positively contribute to civil society.

An orientation about the Access program was given to the students pursuing first year, second semester under graduation, subsequently, conducted a written test using the Cambridge English test and an oral exam, selecting 55 students from the 120 who applied. The program allows for the participation of only 50 students, with an additional 5 attending as audit students, ready to replace any student who drops out.

The program is divided into 7 quarters, each lasting three months. Before each quarter, actual and estimated budget report and program report with a detailed

narration of the activities during every quarter will be prepared and forwarded to Family Health International 360.

The official program launch occurred on 13 October 2022, in the presence of U.S. Consul General, Hyderabad Ms. Jennifer Larson, and Mr. David Moyer, Public Engagement Officer. However, classes commenced on 29 August 2022. Since then, students have been progressing through lessons organized by quarters.

Every day from Monday to Friday, classes are held from 4.15 pm – 5.15 pm after the regular college. A total of 780 instruction hours are completed during the entire program. Special consideration to the needs of the students is given in this program. Students are given snacks every day before starting their classes so that they do not attend classes hungry. Travel arrangement is done to reach students' homes who are in need of transportation.

The fifth quarter from July-September2023, was filled with an array of exciting activities designed to enrich the participants' experiences. The 30-hour intensive sessions comprised a diverse range of activities, including workshops on emotional well-being, pottery, cybercrime prevention techniques, and environmental awareness initiatives conducted at a government school.

Students participating in a session on Emotional Intelligence during intensive Sessions

Students demonstrating Self-Defence during intensive sessions

Additionally, participants engaged in meaningful visits to an orphanage, where they learned about kitchen gardening, as well as sessions on aerobics, self-defense, and financial literacy. Creative pursuits such as string art, glass painting, dyeing, and stencil painting added further dimension to the program.

Students displaying pots made by during intensive sessions

One particularly memorable aspect of the Access program was the visit to the consulate, where participants had the opportunity to interact with diplomats.

Students interacting with US Diplomat in the US Consulate, Hyderabad

Met the Consul General, Ms. Jennifer Larsen in the US Consulate, Hyderabad

The visit to B.M Birla Planetarium was one of the interesting zones where the students enjoyed and learnt about the mysteries of outer space.

Visit to the B.M. Birla Planetarium during Intensive Sessions

Furthermore, enhancement activities focused on digital literacy, with a special emphasis on mastering MS Office, and gaining a deeper understanding of US culture and values.

Learning Digital Literacy Skills during Enhancement Activities

The sixth quarter that began from October to December 2024, was marked by a variety of activities aimed at promoting an understanding of US culture among students. A highlight was the students' creative construction of a haunted house for Halloween, which seamlessly blended learning with entertainment.

Students collected and donated funds for the poor by putting up a scary house during Halloween

Visits to an old age home provided valuable opportunities for students to develop empathy towards the elderly.

Additionally, a visit to the Buddhist museum and the Dhayana Buddha at Amaravathi illuminated the students on the life of Buddha and the importance of meditation for inner peace.

In a demonstration of service learning, Access students raised funds by organizing the haunted house for the college festival, with the proceeds donated to charity. Thanksgiving was celebrated with students expressing gratitude for their blessings, fostering a sense of appreciation and community. These activities not only enriched students' understanding of US culture but also instilled values of compassion, empathy, and gratitude.

The students visited old age home and spent time with them and distributed sweets and fruits.

The seventh and the last quarter from January to February 2024 of the Access program was characterized by a well-rounded mix of service learning, technological updates, and personal and professional development opportunities.

A notable experience was the visit to the small village of Kuntamukkala, where students engaged with local women, emphasizing the importance of maintaining a clean environment and personal hygiene. This interaction fostered empathy and provided insights into the needs of grassroots communities.

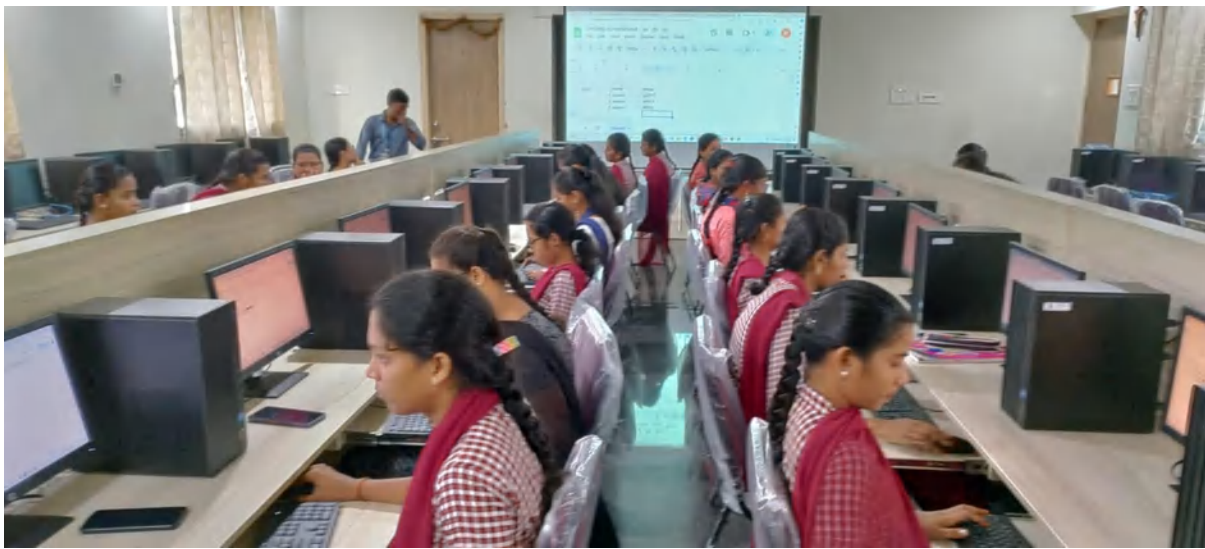*Visit to Kuntamukkala village*

Students explaining menstrual hygiene to the local women at kuntamukkala village as part of service learning

The program also featured expert-led sessions aimed at enhancing students' professional skills, including resume building, interview techniques, and career counseling. In addition, a technical expert guided students on the practical applications of various Google apps, equipping them with valuable digital skills for the modern world.

Student interacting with the expert on career guidance

Students learning the application of Google Apps as part of Digital Literacy

As the quarter progressed, students also embarked on creative endeavors such as preparing for the closing ceremony skit and composing an Access program song. These activities not only encouraged creative thinking but also deepened the emotional bonds forged throughout the program, highlighting the sense of unity and camaraderie among participants.

Students practicing Access song and Skit for the closing ceremony

The two-year journey of Access program came to an end with a grand celebration of Graduation ceremony tha took place on the 16th February2024. The Consul General, US Consulate, Hyderabad, Ms. Jennifer Larsen, Mr. Jonathan, Public Engagement Officer, Mr. Senthil Public Engagement Specialist, and Ms. Nausheen Ali English Outreach Activities coordinator were present. Certificates of Completion were presented to the students by the Consul General. The students also received back packs and photographs as keepsakes as fond remembrance of Access program.

Students singing Access song for the Graduation Ceremony

Visit of the Consul General for the Access Graduation ceremony

One of the students giving feedback of the Access Programme during graduation ceremony

Certificates of Completion were presented to the students by the Consul General. The students also received back packs and photographs as keepsakes as fond remembrance of Access program.

Student receiving certificate of completion during the graduation ceremony

Group photograph of Access team with the Consul General Ms. Jennifer Larsen

Group Photograph of the first batch of 25 students with the Consul General

Group Photograph of the second batch of 25 students with the Consul General

MARIS STELLA COLLEGE (AUTONOMOUS), VIJAYAWADA – 8
(Affiliated to Krishna University, Machilipatnam)
SYLLABUS

Subject: Mathematics	**Semester: I**
Course Title: Leadership Skills	**Course Code: 23SECLS12**
No. of Hours: 30 **LTP: 200**	**Credits: 2**

Objectives
- To understand the need and importance of Personality traits.
- To develop leadership skills through insights and lessons from renowned personalities.

Course Outcomes
After Successful completion of this course, the student will be able to
CO1: Demonstrate the concept of personality and traits of personality.
CO2: Determine the assessment of personality
CO3: Comprehend the leadership qualities and their importance

Unit - I: Personality: (9 Hrs.)
Meaning of Personality – Explanations of Human Personality – Psychodynamic Explanations – Social Cognitive Explanation – Big Five traits of Personality

Unit - II: Assessment of Personality: (9 Hrs.)
Assessment of Personality – Projective & Self Report Techniques - Building Self- Confidence – Enhancing Personality Skills

Unit - III: Leadership Characteristics: (9 Hrs.)
Leadership Characteristics – Types of Leaders – Importance of Leadership – Leadership Skills – Building and Leading Efficient Teams – Leadership Qualities of Abraham Lincoln, mahatma Gandhi, Prakasam Pantulu, Dr. B. R. Ambedkar & J.R.D.Tata

Co-Curricular Activities: (3 Hrs.)
- Group Discussion
- Debate
- Seminar
- Quiz

Prescribed text books
1. Girish Batra, Experiments in Leadership, Chennai: Notion Press, 2018

Reference books
1. Girish Batra, Experiments in Leadership, Chennai: Notion Press, 2018
2. Mitesh Khatri, Awaken the Leader in You, Mumbai: Jaico Publishing House, 2013

MARIS STELLA COLLEGE (AUTONOMOUS)

VIJAYAWADA-8

POWER SKILLS PROGRAM

A REPORT

The Power Skills Program, a transformative initiative by CareToAction, was implemented at Maris Stella to equip third-year degree students with practical skills essential for their professional journey and post-graduation studies. Launched in their fifth semester, the program aimed to address the growing need for industry-relevant skills alongside academic knowledge.

Collaborative Approach:

CareToAction collaborated with esteemed institutions such as MN Rao & Associates, Sridhar's CCE, and Digital Gurus to provide specialized training for Commerce, Arts, and Physical Science students. This collaborative effort ensured a tailored approach to skill development for each stream.

Program Timeline:

The program kicked off on August 1, 2023, with orientation sessions and registration, leading to the grand launch on August 2. Stream-specific coordinators were appointed to ensure a focused and comprehensive approach to skill development.

- **Arts Students:** Commenced on August 7, covering English, Reasoning, and Arithmetic with sessions provided by Sridhar's CCE.
- **Physical Sciences:** Started on August 7, focusing on Web Development, Digital Marketing, and Data Analytics with sessions by Vidhyardi Empowerment Enterprises.
- **BBA Students:** Initiated on August 24, delving into Web Development, Digital Marketing, and Data Analytics.
- **Commerce Students:** Began on August 24, focusing on Tally Accounting Software, GST, and MS Excel with MN Rao & Associates.

Sessions were conducted from Monday to Friday (2-5 pm) and Saturdays (11.30 am to 1.30 pm), totaling 150-200 hours for each subject.
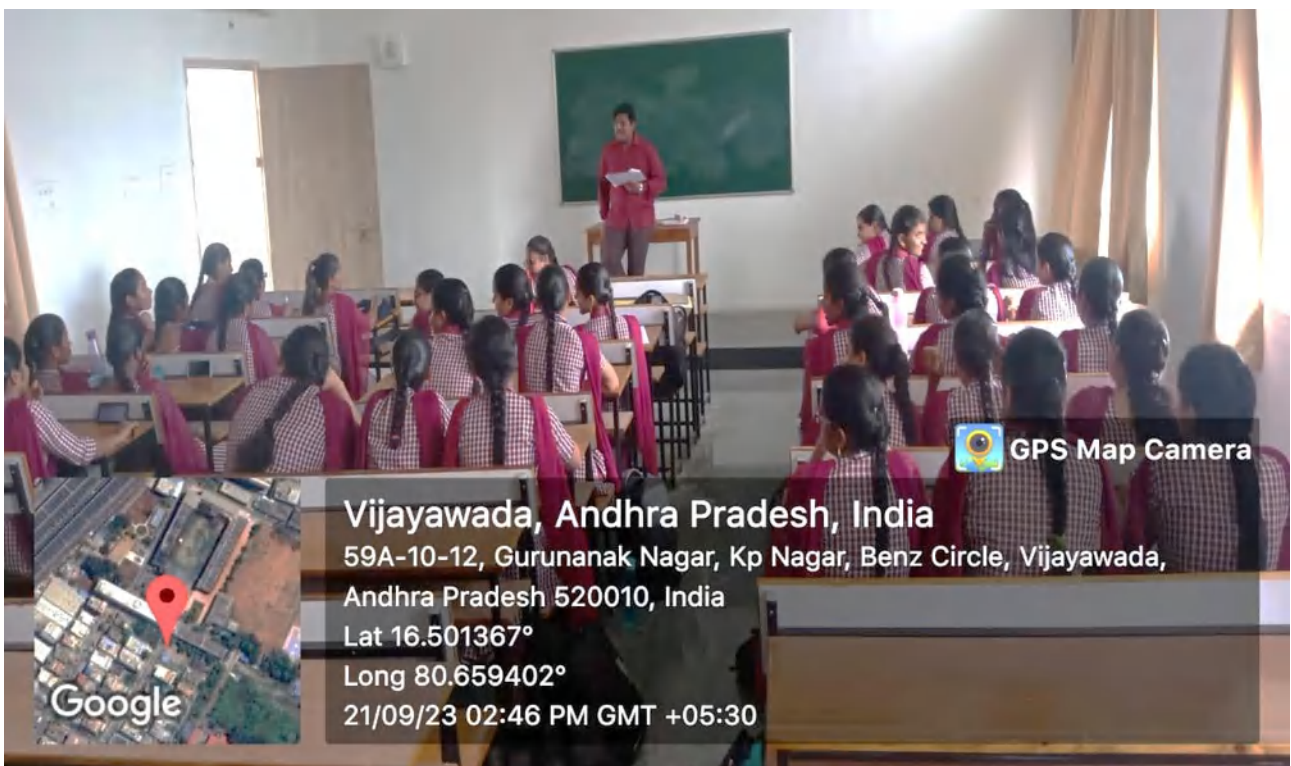

Students learning installation of Tally Prime software on 09.10.2023

During class on Coaching for Competitive Exams   Session on Web Development

Class on GST on 21-09-2023

Session on Advanced Excel

30-08-2023

Assessment and Adjustments:

Two tests were conducted during the program, one in the initial stages and another after three-quarters of the classes. These assessments not only tracked student progress but also allowed for necessary adjustments to enhance their learning experience.

Internship Opportunities and Job Placements: Upon program completion, students had the opportunity to undertake internships and receive guidance on job placements through esteemed partners. CareToAction committed to overseeing and evaluating student progress, providing regular assessments and constructive feedback to both trainers and the college.

Ongoing Commitment:

The Power Skills Program is not a one-time effort but a continuous commitment to the growth and success of students. Regular reviews and improvements were integral to the initiative, with collaborative efforts between partner institutions, college authorities, and stakeholders.

Conclusion:

The School4Future Skill Development Program made a transformative impact at Maris Stella College, empowering final-year students in Commerce, Arts, and Science fields with the necessary skills for a successful transition into the workforce. The four-month review underscores the effectiveness of the program and its commitment to fostering student success.

Launch of Power Skills Programme on 02-08-2023

MARIS STELLA COLLEGE (AUTONOMOUS), VIJAYAWADA-8
(Affiliated to Krishna University, Machilipatnam)

DEPARTMENT OF ENGLISH
ANNUAL REPORT OF THE CERTIFICATE COURSE – 2023 - 24
LANGUAGE PARTNERSHIP PROGRAMME

The Language Partnership Programme (LPP) was specifically designed to support first- and second-year undergraduate students during the odd semester in developing their English language skills. Recognizing the diverse learning needs of students, the program employed a differentiated approach. Following the initial Continuous Assessment, I (CAI) in General English, students were assessed and subsequently grouped into two categories based on their CAI scores: "slow learners" (students requiring additional support) and "advanced learners" (students demonstrating strong English proficiency). This categorization allowed for targeted instruction and peer-to-peer learning.

In the academic year 2023-24, over 70 students from various first and second-year undergraduate programs participated in this initiative, which commenced in September. The program's success was significantly attributed to the active involvement of all faculty members from the Department of English, who dedicated their time and expertise to facilitating the LPP.

The selected students identified as "slow learners" attended dedicated LPP classes from 3 PM to 4 PM, Tuesday to Friday. These sessions focused on enhancing core communication skills through a variety of engaging activities. These activities specifically targeted listening comprehension, oral communication (speaking), reading comprehension, and written expression. To ensure effective learning and personalized attention, the "slow learners" were further divided into smaller, manageable groups. Crucially, these groups were paired with advanced learners, who acted as peer mentors, providing support and guidance in improving communicative abilities. This peer-learning model fostered a collaborative learning environment, benefiting both the "slow learners" and the advanced learners.

Teachers played a pivotal role in coordinating the LPP activities, developing lesson plans, facilitating classroom discussions, and encouraging active participation from all "slow learners." They also provided regular feedback and individualized support. Working closely with the advanced learners, teachers ensured that each "slow learner" was closely monitored and received tailored guidance throughout the program. This collaborative approach ensured consistent support and personalized attention.
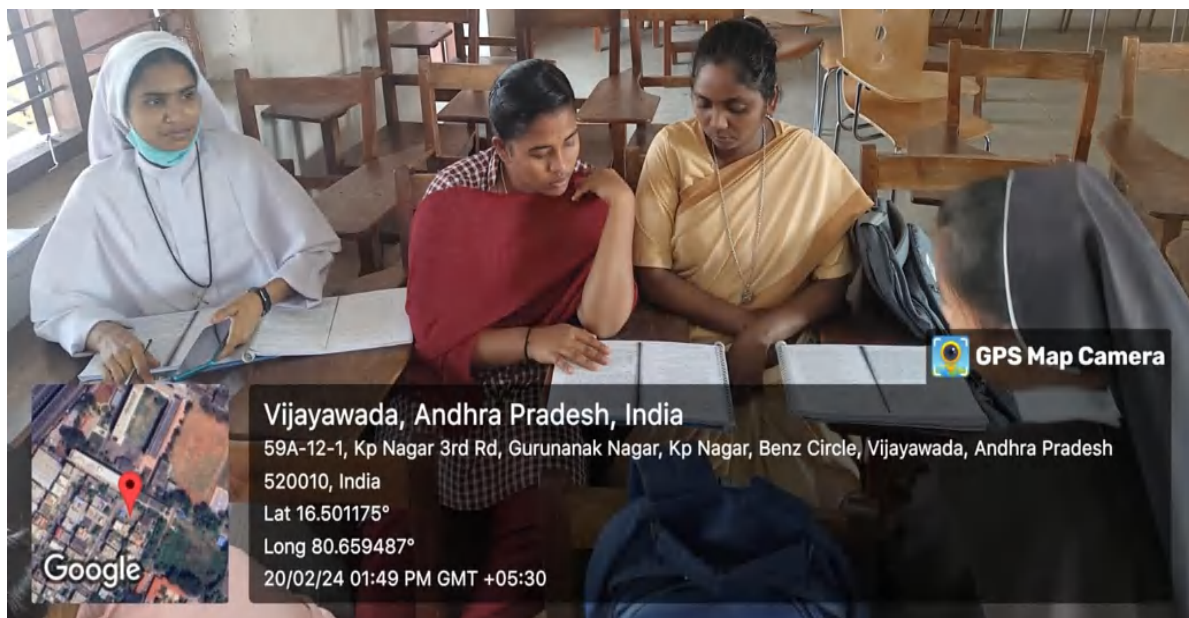
The LPP curriculum spanned 30 hours of instruction, providing ample opportunity for skill development and practice. Students' progress was evaluated through various methods, including classroom participation, assignments, and the skills demonstrated in the semester-end examinations. This multi-faceted assessment approach provided a holistic view of student learning and progress.

Overall, the LPP aimed to provide tailored support and training to students requiring additional support in English, empowering them to enhance their English language proficiency and communicate effectively in various academic and social contexts. By fostering a collaborative learning environment and providing personalized support, the LPP sought to bridge the gap in

language proficiency and equip students with the necessary communication skills for academic success.

Demonstration on LPP by the English Faculty 16.09.2023

Activity done by the Advanced Learners 4.10.2023

Activity done by the Slow Learners 13.10.2023

MARIS STELLA COLLEGE (AUTONOMOUS), VIJAYAWADA-8
(Affiliated to Krishna University, Machilipatnam)

SYLLABUS

Course: English   **Semester: I**
Course Title: Communication Skills   **Course Code: 23SECCS12**
No of Hrs.: 30   **LTP: 200**   **Credits: 2**

Objectives

- Understand the nature and importance of communication.
- Enhance the skills of public speaking.

Course Outcomes

After successful completion of this course, the student will be able to

CO1: Learn the process involved in communication.

CO2: Develop interview skills

CO3: Effectively play their roles in group discussions

UNIT- I BASICS OF COMMUNICATION (8Hrs.)

a. Nature and importance of communication
b. Process of Communication
c. Principles of communication
d. Barriers to effective communication
e. Strategies for effective communication

UNIT-II PRESENTATION SKILLS (8Hrs.)

a. Preparation of a good presentation
b. Verbal communication in presentation
c. Non-verbal communication in presentation
d. Visual aids/Materials in presentation
e. Analyzing audience and managing questions

UNIT- III INTERVIEWS AND GROUP DISCUSSIONS (8Hrs.)

a. Interview and its types
b. Before, during and after an interview
c. Do's and Don'ts in an interview
d. Basic Interview questions
e. Structure and process of Group Discussions
f. Role functions, Do's and Don'ts

Co-curricular Activities (6Hrs.)

- Presenting seminar papers.

- Mock interviews.

- Using Power point presentations in seminars.

References:

1. Working in English, Jones, Cambridge
2. Business Communication, Raman –Prakash, Oxford
3. Speaking Personally, Porter-Ladousse, Cambridge
4. Speaking Effectively, Jermy Comfort, et.al, Cambridge
5. Anjanee Sethi & Bhavana Adhikari, Business Communication, Tata McGraw Hill
6. Jermy Comfort, Speaking Effectively, et.al, Cambridge

MARIS STELLA COLLEGE (AUTONOMOUS), VIJAYAWADA

Detailed Report on the Successful Completion of the Communication English Programme

Duration: June 2023 – September 2023

Introduction

The Communication English Programme at Maris Stella College was nothing short of an exhilarating rollercoaster—packed with ice-breaking activities, grammar battles, heartfelt skits, and even blindfolded adventures. What began as a simple initiative to improve English communication quickly evolved into an action-packed journey of discovery, laughter, and growth with trainer Harpreet Kaur ,Gayatri Kodancha, and Laxmi Rao

Initially, the plan was to divide students based on their academic streams (Arts & Commerce, Science, and Intermediate). However, the skill gaps were evident, prompting a swift regrouping based on proficiency. This recalibration was key to addressing individual needs while ensuring the programme remained engaging and impactful.

Phase 1: June 2023 – 19th August 2023

Week 1: Breaking the Ice (Literally!)

Activities:

- Ice-breaking sessions resembled a mini "survivor" challenge, as students navigated quirky group tasks to introduce themselves and their teachers.

- A hilarious Q&A session flipped the tables—students quizzed teachers about everything, from their favourite food to their most embarrassing moments.

- Teachers went the extra mile, conducting one-on-one sessions to uncover each student's strengths and fears (we discovered a surprising number of secrets).

Outcome:
Students began to shed their initial awkwardness, paving the way for open conversations.

- o Students Icebreaking sessions introduced students and teachers through group activities.

- o engaged in a Q&A session with teachers for familiarity.

- o One-on-one teacher-student interactions assessed individual needs.

- o Analysis identified areas for basic skill development.

  Established a comfortable and interactive environment, enabling teachers to gauge students' baseline skills

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Week 2: Speech Therapy (Minus the Couch)

Activities:

- Groups engaged in competitive speech activities with applause as the ultimate currency.

  - o Discussions about food habits and color preferences sparked a deeper understanding classmates and the rich use of vocabulary

  - o Introduction to interview basics and guest presentation techniques which led to many hilarious practice sessions

Outcome:
The sessions created a lively environment where students learned the art of expressing themselves—often with laughter peppering their words.

Week 3: Lights, Camera, Action!

Activities:

- Group activity,A Friendship Day special had students introducing their friends with witty anecdotes, resulting in countless inside jokes.

- Audio visual activities for listening skill enhasment. Before Independence Day, a movie screening tested their listening and concept comprehension skills. Students discussed themes, often offering "plot twists" they believed would improve the movie.

- Elocution sessions invited their opinions on social issues, revealing surprising wisdom and humor. And memory reflection exercise

Outcome:
This week taught students that communication isn't just about speaking; it's about listening, analyzing, and reflecting

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Week 4 & 5: The Creative Writing Lab Week 4: 10 Hours

- **Activities:**

   o Story writing and skit presentation on social awareness.

   o Group discussions to brainstorm story ideas.

- **Outcome:**
  Strengthened creative writing and team collaboration skill

Week 5: 10 Hours

Activities:

- From group discussions about story plots to performing skits, the creative writing sessions turned classrooms into buzzing studios.

- Students tackled essay writing, focusing on self-growth and motivational themes. They discovered joy of reflective thought development

Outcome:
The budding writers and performers flourished, creating imaginative stories

Phase 2: 19th August – 19th September 2023

Weeks 1 & 2: Grammar Bootcamp

Activities:

- Grammar drills turned into high-energy sessions where students rearranged sentences like linguistic jigsaw puzzles.

- Remedial grammar classes for weaker students included games like "Grammar Detective," where incorrect sentences were hunted down with Sherlock Holmes-level precision.

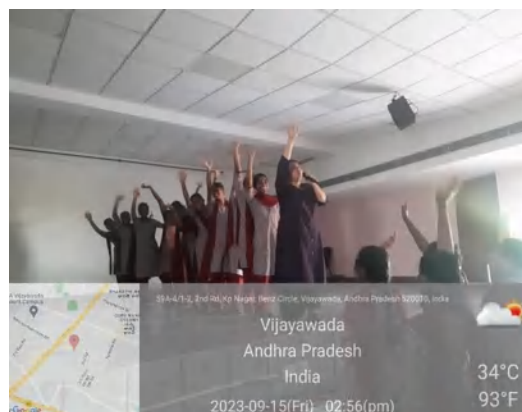 Writing-focused activities with vocabulary discussions.

  Sentence restructuring and essay writing.

- Grammar analysis for group reassignment based on proficiency

o Debates and elocutions kept the atmosphere charged, with applause deciding the winners. Elocution and debates on current affairs.

o Stage fear practice through guided communication sessions.

o **Outcome:**
  Grammar skills improved dramatically, with students proudly correcting one another **.vocabulary improved**
  Boosted grammar skills and confidence in public speaking.

Week 3: Walk the Talk (With Perfect Posture)

Activities:

- Body language and posture workshops sparked a wave of hilarious imitations. Students practiced "power poses" that sometimes looked like they were auditioning for superhero movies.

- Interview practice sessions had students nervously rehearsing, but by the end, they were hosting mock interviews like seasoned pros.

- **Outcome:**
  Students gained newfound confidence, and their body language went from "awkward slouch" to "confident stride."

Week 4: Blindfolds and Brain Games Week 4: 10 Hour

Activities:

Grammar continuation sessions

Blindfolded instructions tested their listening skills and teamwork

Guessing games with clues brought out the Sherlock Holmes in everyone.

Conjunction practice became a class favourite, with students creating sentences so absurdly long they resembled epic sagas.

Outcome:

Strengthened verbal articulation and grammar integration in speech. These activities sharpened their comprehension and collaboration while providing endless entertainment

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Phase 3: 19th September – 19th October 2023

Weeks 1 & 2: Feedback Frenzy

Activities:

- Students practiced giving effective feedback, learning the fine line between constructive criticism and outright savagery.
  - Role-playing sessions had them selling imaginary products like "invisible socks" and "time-freezing watches." Analysis and feedback on grammar sessions.
  - Feedback-giving sessions on effective vs. ineffective communication.
    - Article writing exercises Communication role-playing with product buying/selling scenarios.
- Future vision discussions and TED Talk video analysis

- **Outcome:**
  Students mastered the art of communication, with some developing a flair for marketing they didn't know they had.

- Also developed constructive   feedback technique and advance writing skills. Improved critical thinking and applied communication skills.

Weeks 3 & 4: The Grand Finale

Activities:

- Mock interviews with college officials became the ultimate test, and students nailed it with their newfound confidence.

    o Team-building games strengthened bonds, while essays and articles showcased their improved writing skills. Learnt use of communication phrases

    o Practical application of the 7Cs of communication.

    o Student-monitored guest interviews.

o **Outcome:**
   The final weeks tied all the lessons together, leaving students with skills that extended far beyond the classroom. Job interview simulations and mock tests.

o Attentiveness activities and essay writing

o Prepared students for real-world communication scenarios.

o Holistic development of professional communication and teamwork

Conclusion

The Communication English Programme transformed timid students into confident communicators. From grammar goof-ups to powerful speeches, the journey was full of laughs, learning, and growth. The programme achieved its goal of enhancing communication skills across all levels. Through structured activities and targeted interventions, students demonstrated noticeable improvements in grammar, speaking, writing, listening, and body language.

Achievements:

- Stage fear? Vanished.

- Grammar issues? Conquered.

- Confidence? Skyrocket

- Enhanced group collaboration and critical thinking.

- Practical understanding of interview dynamics and professional communication.

The Communication English Programme at Maris Stella College stands as a successful initiative, equipping students with essential skills for academic and professional excellence. The programme was a resounding success, proving that learning English can be as fun as it is enriching. Students left not just with better communication skills, but also with memories and friendships they'll cherish forever

MARIS STELLA COLLEGE (AUTONOMOUS), VIJAYAWADA-8

(Affiliated to Krishna University, Machilipatnam)

DEPARTMENT OF ENGLISH

ANNUAL REPORT OF THE CERTIFICATE COURSE – 2023-24

CAMBRIDGE LANGUAGE LEARNING AND ASSESSMENT

Cambridge language learning and assessment are renowned globally for their effectiveness in promoting language proficiency. As part of the Cambridge University Press and Assessment organization, these programs offer a comprehensive approach to teaching, learning, and evaluating language skills. This report explores the key components, methodologies, and benefits of Cambridge language learning and assessment.

Cambridge language learning programs are designed to cater to a diverse audience, ranging from young learners to professionals. The courses emphasize a balanced development of the four core language skills: listening, speaking, reading, and writing.

The Cambridge Language Learning and Assessment program began on **10th January 2024** under the coordination of **Ms. B. Santhi Sree**. The program enrolled **70 students**, including participants from both first-degree and second-degree programs. The total training period was **80 hours**, during which students engaged in comprehensive learning activities designed to enhance their language proficiency.

At the end of the course, the students undertook an **Upskill Test**, which evaluated their progress and proficiency. Cambridge language assessments are internationally recognized qualifications that measure learners' language abilities.

Cambridge language learning and assessment programs set the gold standard for language education and evaluation. Their emphasis on quality, global recognition, and adaptability makes them a preferred choice for learners worldwide. By addressing challenges and leveraging innovations, Cambridge can continue to expand its impact and support learners in achieving their language goals.

Maris Stella College (Autonomous), Vijayawada.
(Afiliated to Krishna university,Machilipatnam)
SYLLABUS

Course Title: Health and Hygiene **Course code 20LSCHH2**
No of hrs :30 **Credits:2**
LTP - 200

Objectives:
• To provide knowledge on health indicators and hygiene programmes in India
• To enable disaster mitigation strategies, community health and mobile apps .

Course Outcomes:
 CO1: Gain importance of health, hygiene and nutrition for a healthy life,
 different health care programmes of India
 CO2: Health impact assessment by policies, plans and projects using
 quantitative and qualitative techniques
 CO3: Importance of community and personal health & hygiene measures

Unit- I: Basics of Nutrition   **5 Hrs.**
1. Nutrition – definition, importance, Good nutrition and mal nutrition; Balanced Diet: Basics of Meal Planning
2. Carbohydrates –functions, dietary sources, effects of deficiency.
3. Lipids –functions, dietary sources, effects of deficiency.
4. Proteins –functions, dietary sources, effects of deficiency.
5. Brief account of Vitamins- functions, food sources, effects of deficiency,
6. Macro and micro minerals –functions, effects of deficiency; food sources of Calcium, Potassium and Sodium; food sources of Iron, Iodine and Zinc
 7. Importance of water– functions, sources, requirement and effects of deficiency.

Unit -II: Health   **5 Hrs.**
 8. Health - Determinants of health, Key Health Indicators, Environment health & Public health; Health-Education: Principles and Strategies
9. Health Policy & Health Organizations: Health Indicators and National Health Policy of Govt. of India-2017; Functioning of various nutrition and health organizations in India viz., NIN (National Institution of Nutrition), FNB (Food and Nutrition Board), ICMR (Indian Council of Medical Research), IDA (Indian Dietetics Association),WHO-India, UNICEF-India
10. National Health Mission: National Rural Health Mission (NRHM) Framework, National Urban Health Mission (NUHM) Framework
11. Women & Child Health Care Schemes: Reproductive, Maternal, Newborn, Child and Adolescent Health (RMNCH+); Janani Shishu Suraksha Karyakaram (JSSK); Rashtriya Bal Swasthya Karyakram(RBSK); India Newborn Action Plan (INAP); Adolecent Heatlh- Rashtriya Kishor Swasthya Karyakram (RKSK)

12. Disaster Management – Containment, Control and Prevention of Epidemics and Pandemics – Acts, Guidelines and Role of Government and Public

Unit- III: Hygiene 5 Hrs.

13. Hygiene – Definition; Personal, Community, Medical and Culinary hygiene; WASH (Water, Sanitation and Hygiene) programme

14. Rural Community Health: Village health sanitation & Nutritional committee (Roles & Responsibilities); About Accredited Social Health Activist (ASHA); Village Health Nutrition Day, Rogi Kalyan Samitis

15. Community & Personal Hygiene: Environmental Sanitation and Sanitation in Public places

16. Public Awareness through Digital Media - An Introduction to Mobile Apps of Government of India: NHP, Swasth Bharat, No More Tension, Pradhan Mantri Surakshit Mantritva Abhiyan (PM Suman Yojana), My Hospital (Mera aspataal), India fights Dengue, JSK Helpline, Ayushman Bhava, Arogya Setu, Covid 19AP

17: Skill/Hands on activity-   15 hrs

1:Identification of nutrients in the different food items.

2.Study of health care schemes and importance.

3. Mobile apps:Public awareness to digital media

Prescribed text books:

1. x Bamji, M.S., K. Krishnaswamy & G.N.V. Brahmam (2009) Textbook of Human Nutrition(3rd edition) Oxford and IBH Publishing Co. Pvt. Ltd., New Delhi

2. Swaminathan (1995)Food & Nutrition(Vol I, Second Edition) The Bangalore Printing &Publishing Co Ltd., Bangalore

3. Vijaya Khader (2000)Food, nutrition & health, Kalyan Publishers, New Delhi

4. Srilakshmi, B., (2010)Food Science, (5th Edition) New Age International Ltd., New Delhi

Reference Weblinks: https://nhm.gov.in/

♣ Health Impact Assessment - https://www.who.int/hia/about/faq/en/ (suggested information only)http://www.euro.who.int/__data/assets/pdf_file/0011/261929/Health-inImpact-Assessments-final-version.pdf?ua=1

♣ National Rural Health Scheme:

https://nhm.gov.in/index1.php?lang=1&level=1&sublinkid=969&lid=49

♣ National Urban Health Scheme:

https://nhm.gov.in/index1.php?lang=1&level=1&sublinkid=970&lid=137

♣ Village health sanitation & Nutritional committee

https://nhm.gov.in/index1.php?lang=1&level=1&sublinkid=149&lid=225 About Accredited Social Health Activist (ASHA)

https://nhm.gov.in/index1.php?lang=1&level=1&sublinkid=150&lid=226

♣ Village Health Nutrition Day

https://nhm.gov.in/index1.php?lang=1&level=1&sublinkid=152&lid=228

♣ Rogi Kalyan Samitis https://nhm.gov.in/index1.php?lang=1&level=1&sublinkid=153&lid=229

SYLLABUS

Course Title: National Cadet Corps– II   **Course Code: 20SDCNC2**
No. of Hours: 30 Hrs.   **Credits: 2**

LTP: 200

Objectives

* To elucidate the concept of Civil Defense, classify Disaster Management and types.
* To explain the process of removal of Debris, collection, distribution of Id material & Message services, Sick room preparation, and help to locate one's own position using a map

Course Outcomes

CO1: Understand the concept of Civil Defense, its duties & services.
CO2: Remember how to Assist in Removal of Debris, Collection and Distribution of Aid Material and comprehend the characteristics ofHome Nursing and preparation of sick room.
CO3: Estimate the own position from map to ground and ground tomap with the help of map reading.

UNIT- I: Civil Defense and Disaster Management   (5 hours)

Civil Defense: Meaning, Organization and its Duties, Civil Defense Services, Fire Fighting: Meaning, Mode of Fire, Fire Fighting P arties, Fire Fighting Equipment; Disaster Management, Classification of Disaster: Natural Disaster & Man Made Disaster, Disaster Management During Flood, Cyclone and Earth Quake, Assistance in Removal of Debris, Collection and Distribution of Aid Material, Message Services.

UNIT- II: Obstacle Training and Home Nursing   (5   hours)

Introduction to Obstacle training, Types of Obstacles. Introduction to Home Nursing, the Roller Bandage and its Application, the Sick Room: Preparation, Cleaning and Lighting, Ventilation. Pulse, Respiration and Temperature Taking and Recording; Observation of the Sick Signs and Symptoms to be noted. Feeding a Helpless Patient. Medicines and their Administration. Fever, Infection, Disinfection and Specific Infectious Diseases. Operation: After care, Dressing of Wounds. Poisons andFirst Aid.

UNIT-III: Map Reading   **(5 hours)**

Introduction to Map and Conventional Signs, Scales, Topographical Forms and Technical Terms, The Grid System, Relief Contours and Gradients, Cardinal Points and Finding North, Types of Bearings and use of Service Protractor, Prismatic Compass, Its use and Introduction to GPS, Setting a Map, Finding Own Position and North, Map to Ground, Ground to Map, Point to Point March.

Skill / Hands-on: **(15 hours)**

1.   Types of Obstacles: Straight Balance, Clear Jump, Zig Zag Balance, High Wall, Right Hand Vault, Left Hand Vault, Ramp,Gate Vault.

2.   Invited Lecture by NCC Officers, GCI, PI Staff3. Visit to Military Academy and NDR

4. Service Protractor and its use5. Prismatic Compass and its use

Reference Books:

1.   Cadet's Hand Book- Common Subject, All Wings, by DG NCC, NewDelhi

2.   Cadet's Hand Book -Specialized Subject, Army, Navy, and Air –Force by DG NCC, New Delhi.

Course Title : NCC – 1   Course Code: 21ECA1NCC1
No. of Hours: 30 Hrs.   Credits: 1

Objectives

- To discuss concepts of NCC Motto, NCC Flag, Aims of NCC, Cardinal points of NCC and classify Ranks in Army, Navy and Air Force – Honors and Awards
- To understand the concept of Sociability: Social skills, Values / Code of Ethics, analyse good and bad posture, Contribution towards Social Welfareand to Eradicate Social Evils, Drug Abuse, Anti-Corruption.

Course Outcomes

CO1: Identify the concepts of NCC Motto, NCC Flag, Aims of NCC, Cardinal points of NCC.
CO2: Comprehend the concepts of sociability and analysis of good and bad posture.
CO3: Analyze the contribution of Youth towards Social Welfare.

UNIT-I: INTRODUCTION TO NCC   (8 Hrs.)

Introduction, NCC Motto, NCC Flag, Aims of NCC, Cardinal points of NCC, Organization of defense forces in general, NCC Song, NCC pledge, Incentives of NCC, Ranks in Army, Navy and Air Force – Honors and Awards.

UNIT-II: PERSONALITY DEVELOPMENT & LEADERSHIP   (8 Hrs.)

Introduction to Personality Development, Factors Influencing / Shaping Personality: Physical, Social, Psychological and Philosophical. Aim and principles of posture training and its importance, Analysis of good posture, causes of bad posture and preventive measure. Values/ code of ethics.

UNIT-III: SOCIAL SERVICE & COMMUNITY DEVELOPMENT ACTIVITIES (8 Hrs.)

Basics of Social Service, Contribution of Youth towards Social Welfare, NGOs and their Role and Contribution , Social Evils, Drug Abuse, Anti-Corruption awareness, Child labour, Save Girl Child, Counter Terrorism, Eradication of Illiteracy – Aids awareness program, Cancer awareness program.

Co-curricular Activities Suggested: (6 Hrs.)

1. Invited Lecture by NCC Officers, GCI, PI Staff, Adventure activities instructor
2. Visit to Military Academy and NDRF

References:

Cadet's Hand Book- Common Subject, All Wings, by DG NCC, New Delhi

MARIS STELLA COLLEGE (AUTONOMOUS)VIJAYAWADA-8

Annual Report of the Extra-Curricular Activity NSS: 2023-24

The college is offering NSS as one of the extracurricular activities for the students. The total number of hours for this activity is 30. The activities started for the academic year 2023-24 in June 2023 and ended in May number of hours for this activity is 30. The total number of students allotted to each unit is 100. The unit I got the full strength of 100 students for the academic year 2022-23 apart from unit II with full strength 2023 with a total duration of 30 hours. All the 100 students have completed the course within the given time.

The students who joined this course will have an exposure to the community and an opportunity to study its problems and issues which is an extension of their academics. It will also broaden their thinking to encounter the problems in real life with courage, confidence and clarity. They will learn how to move close to the community and understand their living conditions. They organize the events on their own. Students are assessed at the end of the academic year for their overall performance and in the given test.

Mega Blood Donation Camp - 24th September 2023

Andhra Pradesh Government in collaboration with Red Ribbon Club organised a Mega Blood Donation camp on 24th September 2023 in KBN College, Vijayawada in which 47 NSS students of unit I & II participated and volunteered. They got good appreciation for their active participation.

Blood Grouping Drive

NSS students of Unit 1 and 2 took part in the Blood Grouping Drive organised by our college in the adopted village, Nidamanuru.

Awareness on Women's Issues by Siddhartha Medical College Students - 19th October 2023

Five Siddhartha medical college students of third year gave an awareness lecture on women's issues to NSS students of Unit I & II to remove their inhibitions and to have clarity in those matters. Students showed interest to get their doubts clarified from the medicos.

National Unity Day – 31st October 2023

National Unity Day was observed on the birthday of Sardar Vaalabhai Patel on 31st October 2023. On this occasion , students and staff gathered near open air stage and took pledge and paid tributes to the great Indian national leader.

Meri Matti Mera Desh – 12th and 13th October 2023

NSS students of unit I and II organised Meri Desh Mera Matti campaign on 13th October 2023 to pay tribute to the 'Veers' who laid down their lives for the country**.**

National Intergration Camp

R. Divya Sri of II B Sc MBYC has been selected for National Intergration Camp who has attended on e week camp at ML RIT, Hyderabad.

Plantation Programme - 12th October 2023

Plantation programme was organised by Unit I & II on the college campus on 12th October 2023.

Best NSS Student

Blessy Moses of III BSc CBZ who attended National Integration Camp was awarded best NSS student for the academic year 2023-24.

Pulse Polio

Our NSS students rendered their services in National Pulse polio held on March 3rd 2024 in Vijayawada.

Participation of NSS Students in General Election Duties

67 NSS students attended the orientation on General elections 2024 and discharged election duties in the allotted areas.

MARIS STELLA COLLEGE (AUTONOMOUS), VIJAYAWADA

Report on Extra - curricular activity

YOGA 2023 -24

Yoga is an ancient physical, mental and spiritual practice that originated in India. The word 'Yoga' is derived from Sanskrit and means to join or to unite, symbolizing the union of body and consciousness. The college offers this programme as an extra-curricular activity.

Mr. P. Hari - yoga trainer, trained a total of 110 students of I B.Sc- Physical & life science students in various asanas and meditation which improves students' physical fitness and mental health. His sessions include detailed instructions on poses that help alleviate common gynecological issues, such as menstrual cramps and hormonal imbalances, focusing on enhancing overall reproductive health. The students were given credits based on their performance in final assessment as well as percentage of attendance.

Annual Sports Reports

2023-2024

*Students have excelled in various competitions and bagged prizes in the intercollegiate level tournaments. Overall, **Twelve** players have represented Krishna University at South Zone Inter-University level and National level.*

KHELO India Basket Ball Tournament:

The Department of Physical Education Organized the Khelo India Basket Ball Tournament from 27th Aug-2023 to 29th August 2023, a Thrilling Event that saw the active participation of 30 teams from various colleges across Andhra Pradesh. Maris Stella College displayed exceptional prowess, securing first place in both three-on-three and five-on-five categories.

The Pioneer

U-17 basketball women's league from Aug 27 to 29

PNS ■ VIJAYAWADA

The Basketball Association of Andhra Pradesh is set to host the Basketball Khelo India Women's League (Under-17) at the Maris Stella College Grounds in Vijayawada, scheduled for August 27 to 29. A total of 10 local teams are gearing up to participate in this exciting three-day tournament.

In an official statement released on Saturday, competition managers GSC Bose and V Rajakumar announced that the tournament's inauguration on August 27 will be officiated by State Intelligence Department Additional SP, S Srinivasa Rao. This edition of the Khelo India Women's League will feature both 3s and 5s category matches, adding an extra layer of excitement to the event.

The organisers extend their heartfelt gratitude to the Maris Stella College management for generously providing the basketball courts and accommodation for the duration of the tournament.

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నేటి నుంచి మహిళల బాస్కెట్‌బాల్ టోర్నీ

విజయవాడ క్రీడలు, న్యూస్‌టుడే: కేంద్ర క్రీడ మంత్రిత్వ శాఖ, జాతీయ క్రీడా ప్రాధికార సంస్థ సంయుక్త సహకారంతో నగరంలోని మారిస్ స్టెల్లా కళాశాల మైదానంలో ఫ్లడ్ లైట్ల వెలుతురులో ఈ నెల 27 నుంచి మూడు రోజుల పాటు ఆస్మిత ఖేలో ఇండియా అండర్-17 మహిళల బాస్కెట్‌బాల్ సిటీ లీగ్ టోర్నీ నిర్వహిస్తామని రాష్ట్ర బాస్కెట్‌బాల్ సంఘం కార్యదర్శి బి.చక్రవర్తి, టోర్నీ బెస్నీర్ ప్రతినిధి డీఎస్పీ వినాయక ప్రసాద్ తెలిపారు. ఈనెల 29వ తేదీన జాతీయ క్రీడా దినోత్సవాన్ని పురస్కరించుకొని దేశంలోని 200 పట్టణాల్లో కేంద్ర ప్రభుత్వం ఈ ఏడాది కొత్తగా ఈ తరహా లీగ్ టోర్నీని ప్రవేశపెట్టిందన్నారు. విజేతలకు లీగ్ ఛాంపియన్‌షిప్ ట్రోఫీ, వ్యక్తిగత పతకాలు, ప్రశంసా పత్రాలు అందిస్తామని తెలిపారు.

Player Names:

1. G Manisha
2. J Pravallika
3. P Asha
4. E Prasanna kumari
5. G Gayathri
6. G Sravanthi
7. M Naga sai deepthi
8. K Saveera
9. Sk Iqra
10. Krishna Veni

3*3 Senior Inter District Basket Ball Tournament :

The Department of Physical Education organized the 3*3 senior Inter District Basketball Championship men and women from 11th September 2023 to 12th September 2023. 13 Districts actively Participated in Tournament.

Tournament Winner Team

41st SENIOR NATIONAL NET BALL TOURNAMENT

Haryana Amateur Net Ball Association Affiliated to Net Ball Federation of India Organized 41st Senior Net Ball Championship Tournament (Men & Women)2023-24, from 19-09-23 to 26-09-2023. Which was held at Haryana State. Two of our Students were Participated.

9th A.P Senior Inter District Basketball Tournament:

The 9th A.P Senior Inter District Basketball Tournament was held at Marteru from 29-09-2023 to 02-10-2023. Two of our students represented Krishna & East Godavari Districts.

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బాస్కెట్‌బాల్ పోటీలో ప్రతిభ

విజయవాడ క్రీడలు, న్యూస్‌టుడే: పశ్చిమ గోదావరి జిల్లా మార్టేరులో గత నెల 29 నుంచి నాలుగు రోజుల పాటు జరిగిన 9వ రాష్ట్ర స్థాయి అంతర్ జిల్లాల జూనియర్స్ బాలబాలికల బాస్కెట్‌బాల్ ఛాంపియన్‌షిప్‌లో ఉమ్మడి కృష్ణా బాలికల జట్టు తృతీయ స్థానంలో నిలిచిందని ఉమ్మడి కృష్ణా జిల్లా బాస్కెట్‌బాల్ సంఘం అధ్యక్షుడు జి.సుబాష్‌చంద్రబోస్ తెలిపారు. కాంస్య పతకాలు సాధించిన జట్టు సభ్యులను, శిక్షకులు వి.రాజ్‌కుమార్, వి.నాగరాజులను జిల్లా బాస్కెట్‌బాల్ సంఘం సంయుక్త కార్యదర్శి సీహెచ్ రామ్మోహనరావు (చిన్నా), డి.సత్య నారాయణ తదితరులు అభినందించారు.

బహుమతి పొందిన బాలికల జట్టుతో కోచ్, మేనేజర్లు

SGFI District Net Ball Selection:

The Department of Physical Education organized Net Ball Selections in collaboration with SGF on 10th October 2023. Nine students got selected for Netball Tournament on behalf of Krishna District

No. of Participants:09

1.G. Manisha	-	Sr.Inter HSC
2.V. Tulasi	-	Sr.Inter CEC
3.G. Siri	-	Jr.Inter MPC
4.K. Deepika	-	Jr.Inter MPC
5.G. Dharani	-	Jr.Inter MPC
6.P. Asha	-	Jr.Inter MPC
7.P. Jahnavi	-	Jr.Inter CEC
8.J. Pravallika	-	Jr.Inter CEC
9.Lilly Pushpa	-	Jr.Inter CEC

SHOOTING:

At the South West Zone Inter-University Shooting Championship was held at **Kurukshetra University** from **02nd Jan-24 To 07th Jan-2024.** One of our student, **CH. Vaishnavi** have participated in the Tournament

VOLLEYBALL

The Krishna University Inter-Collegiate **Volleyball Tournament** was held at L.H.R College, Mylavaram on 25th Nov 2023. Our college won the IV Place.

Participated Students

1.B. Mounika, II MBA

2.P. Haritha, III B.A TTM

3.P. Sravya, II B.Sc

4.K. Prasanthi, I B.A

5.Chandu Priya, I B.A

6.A.Sai Divya, I B.Sc

7.V.Varsha, II B.Sc

8.D.C.Praise, II B.Sc

9.K.Lakshmi, II B.Com

10.B.Sandhya Kumari, II B.A

Among the 10 participants, one student **K.Prashanthi** was selected to represent Krishna University in the South Zone Inter University Volley Ball Tournament which was held at **Padmathi Mahila Vishwa Vidyalaya, A.P** from 08th -12th Dec-2023

University Team

<u>BASKETBALL</u>

The Krishna University Inter-Collegiate Basketball Tournament cum Team selections were held at Maris Stella College, Vijayawada, on 12th Dec 2023 and the College bagged the First place.

<u>Participated Students:</u>

1. B. Mounika, II MBA
2. P. Haritha, III B.A TTM
3. A. Jasmine, III B.A TTM
4. N. Durga, III B.A TTM
5. M. Naga Sai Deepthi
6. P. Sravya, II B.Sc
7. A. Sai Divya, I B.Sc.
8. V. Varsha, II B.Sc
9. K.A. Sathvikaa, III B.Com
10. CH. Rithika, II B.Sc.
11. E.Prasanna Kumari, I B.Com
12. SK. Asha

Among the above, these five members have represented South Zone Inter University which was held at Jain University Bangalore, Karnataka from 24th-28th Dec 2023.

UNIVERSITY PLAYERS

1. B. Mounika
2. P. Haritha
3. A.Jasmine
4. N. Durga
5. P.Sravya

S.G.F.I – Gymnastics

Under 19 Category, 67th SGFI Gymnastics Tournament held at Kakinada from 03rd Nov-23 to 05th Nov-2023. Our college student Ishwarya, Sr.Inter M.P.C secured First Place in Five Events & Also selected for National Level (A.P) Tournament held at New Delhi.

S.G.F.I – Volley Ball

Under 19 Category, 67th SGFI Volleyball Tournament held at Chittoor from 4th Nov-23 to 06th Nov-2023 Place. Two Students of Our College Secured First Place in Tournament

Selected Students

1.L. Swetha   - Jr. Inter – HEC
2.M. Jagadeeswari - Sr Inter MPC

S.G.F.I – Yoga

Under 19 Category, 67th SGFI Volleyball Tournament held at West Godavari from 1th Nov-23 to 03rd Nov-2023 Place. One of our Student secured first place in the tournament & selected for National Championship which was held at Kolkata from 19-12-2023 to 21-12-2023.

S.G.F.I – Shooting

Under 19 Category, 67th SGFI Shooting Tournament held at East Godavari, Rajahmundry from 03rd Oct23 to 06th Oct2023. **One of Our** Student College Secured Third Place in Tournament & Selected for National Championship. Which was held at Bhopal

S.G.F.I – Badminton

Under 19 Category, SGFI Badminton Tournament held at P.B. Siddhartha College, Vijayawada from 7th Nov-23 to 09th Nov-2023. One Of Our Student **Harshitha- Jr.Inter M.P.C** from Our College Secured First Place in Tournament

SGFI District Rugby Selection : The Department of Physical Education organized selection for Rugby for school games on 16th November 2023. Students from different schools participated in Tournament.

SGFI Boys & Girls Net Ball Tournament:

The Department of Physical Education organized Net Ball Tournament 67th SGFI From 19th November 2023 to 21st November 2023. Boys & Girls from 13 district under 14 age Category and under 19 age categories Participated. In under-19 Category Four Students from Maris Stella College got selection to participate at National Level Tournament at Delhi

Selected Students For National Team A.P

1. G.Manisha – Senior Inter
2. G.Siri - Junior Inter
3. V.Tulasi – Senior Inter
4. P.Asha – Junior Inter

Sub Junior District Net Ball Selection:

The Department of Physical Education organized selection for Sub Junior Netball on 18th December 2023 in which students from different schools of NTR and Guntur districts Participated.

HAND BALL

The Krishna University Inter-Collegiate **Handball** Tournament cum Team selections held at L.H.R College, Mylavaram on 07th Jan 2024 and the College bagged the IInd place.

Paticipated Students

1. B. Mounika
2. P. Haritha
3. N. Durga
4. M. Naga Sai Deepthi
5. K.A.Sathivika
6. E. Prasanna Kumari
7. A. Sai Divya
8. V. Varsha
9. P. Sravya
10. CH. Rithika
11. SK. Asha
12. K. Lakshmi

Among the above, Three participants represented Krishna University in the South Zone Inter University tournaments which were held at **Periyar University,Selam** from 10th -14th Jan 2024.

UNIVERSITY PLAYERS

1. M. Naga Sai Deepthi
2. K. Angel Sathvika
3. E. Prasanna Kumari

University Team

7th A.P Youth Inter District Basketball Tournament (Boys & Girls) : 2023-24

The 7th A.P Youth Inter District **Basketball** Tournament for Boys & Girls were held at **Maris Stella College, Vijayawada,** on 21st May **2024 to 24th May 2024**. Totally 23 District were participated in this Tournament. The Krishna District Girls Team Secured **(SILVER Medal)** Second Place.

ఈనాడు
epaper.eenadu.net

రాష్ట్ర స్థాయి బాస్కెట్‌బాల్ పోటీలకు ఎంపిక

విజయవాడ క్రీడలు, న్యూస్‌టుడే: స్థానిక మారిస్ స్టెల్లా కళాశాల మైదానంలో ఈ నెల 21 నుంచి నాలుగు రోజుల పాటు జరిగే 7వ రాష్ట్ర స్థాయి అంతర్ జిల్లాల యూత్ (అండర్-17)బాలబాలికల బాస్కెట్‌బాల్ ఛాంపియన్‌షిప్‌లో తలపడే ఉమ్మడి కృష్ణా జిల్లా జట్టును సోమవారం జిల్లా బాస్కెట్‌బాల్ సంఘం అధ్యక్షుడు గుత్తికొండ సుభాష్ చంద్రబోస్ వెల్లడించారు. జట్టు సభ్యుల వివరాలు ఇలా ఉన్నాయి.

ఎంపికైన బాలుర జట్టు

బాలుర జట్టు: బి. బాలాజీ, బి. సంజయ్, డి. అయిష్టిన్, పి. రేవంత్, ఎస్కే పరీద్, ఆర్.కేదార్ కౌషిక్, జి. జగదీష్, పి. వినయ్, పి. గణేష్, ఎన్.లోకేష్, ఎ. చందు, జి.వెంకట్. స్టాండ్ బైస్‌గా ఎస్కే అబ్దుల్ రెహ్మాన్, ఎ. సాత్విక్, ఎం. యోగేశ్వర్.

బాలికల జట్టు: ప్రభు దీపిక, ఎస్కే ఆస్రా, బి. ప్రణవి, బి. స్నేహలత, బి. కుసుమ, కె. కీర్తన, ఎస్కే హప్సా, జి.ప్రణతి, బి. పవిత్ర, ఆర్. వాహిణి, ఎస్డీ సనా, బి. హేమ సాయి. స్టాండ్ బైస్‌గా బి.సంజన, ఎం.శశి శ్రీ.

బాలికల జట్టు

Date : 21/05/2024 EditionName : ANDHRA PRADESH(AMARAVATI NTR)
PageNo :

Call for Papers

Authors are invited to present their original and unpublished articles on the below areas, but are not limited to:

- Applications of soft computing
- Artificial Intelligence, Data Science and applications
- Big Data Analytics
- Blockchain Technologies
- Cloud Computing
- Computing Models and Applications
- Cyber Security
- Deep Learning
- Grid Computing
- Image Processing and Multimedia Signals
- Intelligent Information Systems
- Knowledge Engineering and Machine Learning
- Networks and Internet of Things (IOT)
- Social Network Mining and Web Mining
- Quantum Computing
- Thermo Dynamics
- Chemical neuroscience developments
- Materials in relation to Thermo Electricity

Guidelines for Paper Submission

- An Abstract not exceeding 500 words and full length paper of 1500 - 2000 words.
- Abstract and full length paper must be in IEEE format.
- Certificate will be issued to both the presenters and the participants.
- Presenters unable to attend in person due to location constraint can deliver their presentations online.
- Paper must be submitted to conference.csc@marisstella.ac.in

Publication details

- Full length papers presented in the conference will be published in the conference proceedings with ISBN.
- The selected papers will be published in SCOUPS indexed / UGC CARE LISTED Journals with additional charges.

Important Dates

Abstract Submission   : 27/01/2024
Acceptance Notification   : 31/01/2024
Registration & Payment   : 27/01/2024 to 05/02/2024
Full Length Paper Submission : 10/02/2024
Conference Dates   : 27, 28 & 29 February 2024

NOTE: ACCOMMODATION WILL BE PROVIDED WITH PRIOR REQUEST.

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Patron

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Department of Computer Science

Krishna University, Andhra Pradesh.

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Associate Professor of Computer Science and Engineering, Easwari Engineering College, Chennai.

Dr. Subathra Devi R

Assistant Professor & Head

Department of Computer Applications

Loganatha Narayanasamy Government College(A), Ponneri, Chennai.

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Asian University for Women, Bangladesh.

Dr. M.D. Ananda Raj

Assistant Professor of Computer Science

Loyola College, Chennai.

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Principal (I/C), Krishna University College of Engineering and Technology, Krishna University, Andhra Pradesh.

Ms. E. Grace Lydia

Head, Department of Computer Science

Ms. P. Vidhyavathi, Assistant Professor

Ms. P. Malathi, Assistant Professor

Sr. Sujitha Sudarvizhi, Assistant Professor

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Vijayawada, Andhra Pradesh.

NATIONAL CONFERENCE ON RECENT RESEARCH ADVANCEMENTS IN COMPUTATIONAL SCIENCES
NCRRACS - 2024

27, 28 & 29 Feb. - 2024

Organized by

The Department of Computer Science
in Collaboration with Krishna University
Vijayawada, Andhra Pradesh.

About The College

Maris Stella College was founded on 16th July 1962, the first women's college in Krishna District. True to its vision and mission, the College offers quality education and maintains consistently high academic standards in an effort to give all students an equal opportunity for learning and development through holistic education which is strongly grounded in values. It is the special mission of the College to reach out the students from socially and economically disadvantaged sections of society, and to prepare them to meet the challenges of a rapidly changing world.

The steady academic growth of the College since its foundation, includes the introduction of Autonomy in 2003, and the Choice Based Credit System in 2006. It is one of the beneficiary colleges of the central government's RUSA 2.0 scheme. Currently, the college is the recipient of a project sponsored by the U.S. State Department and the United Board.

About The Department

The Department of Computer Science was established in the year 1990. The goal of the department is to prepare students to become thoughtful, productive members of the computing profession and community.

About The Conference

NCRRACS 2024 aims at culminating the innovative ideas and findings of researchers in diverse domains in the field of Computational Sciences. It provides a platform to share and discuss the recent research findings in emerging areas of research in Computer Science and its related disciplines. This conference will feature a range of presentations on latest research activities as well as stimulating talks and keynote addresses that kindle the inquisitiveness of the researchers. This conference caters to the need of young researchers, professionals, and academia. This would serve as a forum to connect researchers and pave way for open deliberations and elevate their knowledge to new horizon.

Objectives

- To share the latest findings, breakthroughs, and advancements in computational sciences with the broader academic and research community.
- To discuss and address current challenges and issues in the field, fostering a collective effort to find solutions and overcome obstacles.

Outcomes

- Encourage the exploration of novel ideas, methodologies, and technologies that can contribute to the innovation and evolution of computational sciences.
- Provide a platform for researchers to present their work and potentially publish their findings in conference.

Registration Fee

Students: Rs.200
Faculty/Research Scholars/Industrialists: Rs.1000
Only Participation: Rs.500

Account Details

Account Name   : Maris Stella College
Account Number : 2985101002597
Bank Name   : Canara Bank
Branch   : Bharati Nagar
IFSC Code   : CNRB0002985

Registration Link

https://forms.gle/BGVL3Bb5R2rqGSQRA

For further details contact :

Ms. E. Grace Lydia   8142624864
Sr. Sujitha Sudarvizhi   9360939647

conference.csc@maristella.ac.in

Visit : https://www.marisstella.ac.in/sciences/

KEYNOTE SPEAKERS

DR. C. BALAKRISHNAN
Associate Professor
Christ University, Yeswanthpur Campus,
Bengaluru.

DR. P. THIYAGARAJAN
Associate Professor & Head
Department of Computer Science
Dean Research
Rajiv Gandhi National Institute of Youth
Development (RGNIYD), Chennai.

DR. M. D. ANANDRAJ
Coordinator & Assistant Professor
Department of Computer Science
Loyola College, Chennai.

DR. R. VIJAYA KUMARI
Principal (I/C),
Krishna University College of Engineering and Technology,
Krishna University, Andhra Pradesh.

DR. R. KIRAN KUMAR
Associate Professor & Head
Department of Computer Science
Krishna University, Andhra Pradesh.

DR. P. JOSHUA REGINALD
Associate Professor, Department of ECE
Vignans Foundation for Science Technology
and Research Deemed to be University,
Vadlamudi, Guntur.

MARIS STELLA COLLEGE (AUTONOMOUS), VIJAYAWADA
DEPARTMENT OF COMPUTER SCIENCE
2023-24
"National Conference on Recent Research Advancements in Computational Sciences"
: Report

Dates: 27-02-2024, 28-02-2024 & 29-02-2024
Venue: Conference Hall, BMP Block
Organized by: Department of Computer Science in collaboration with Krishna University
Theme: Recent Research Advancements in Computational Sciences
Total number of registrations: 150 (131 online registrations and 19 spot registrations)
Objectives:

- To provide a platform for researchers, scholars, and practitioners to share their recent findings, methodologies, and advancements in the field of computational sciences.
- To enable researchers to present their work through paper presentations, poster sessions, and panel discussions to disseminate their findings and receive feedback from peers.
- To encourage discussions and sessions that bridge the gap between theoretical advancements and practical applications in computational sciences, fostering innovation and real-world impact.
- To engage students and early-career researchers through special sessions, mentoring programs, and career development workshops to inspire and nurture future leaders in computational sciences.
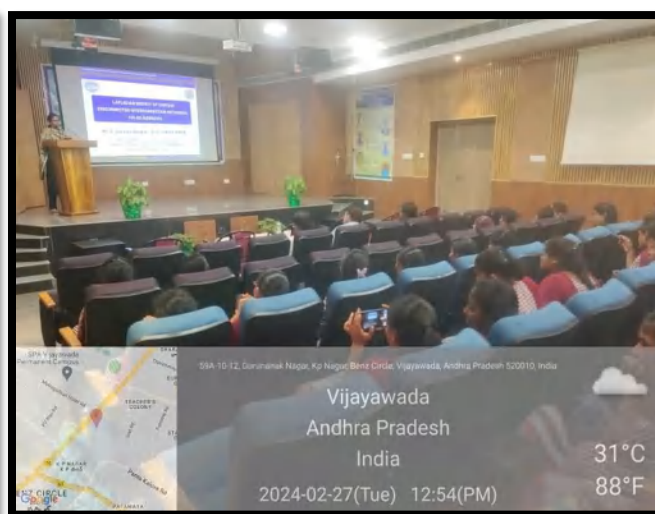
Brief Report:

The Department of Computer Science executed a triumphant three-day conference spanning from February 27th to February 29th, 2024. The event commenced with an inaugural program featuring Prof. G. Gnana Mani, Vice Chancellor of Krishna University, as the esteemed chief guest. Ms. E. Grace Lydia, Head of the Department of Computer Science, delivered the opening remarks, followed by blessings from Dr. Sr. Kulrekha Mudhartha, Acting Principal. Dr. Sr. Leena Quadras, the correspondent, then shared her insightful message, followed by guest of honor messages from Dr. Thyagarajan, Assistant Professor, Central University of Tamil Nadu, Thiruvarur, Tamil Nadu, and Dr. C. Balakrishnan, Associate Professor at Christ University, Yeswanthpur Campus, Bengaluru. The keynote address was delivered by Prof. G. Gnana Mani, Vice Chancellor of Kirshna University. At the culmination of the inaugural session, the conference proceedings book was unveiled just before the commencement of the felicitation ceremony. The event unfolded seamlessly, featuring a rich program of two technical sessions and two plenary sessions each day. Throughout the conference, six distinguished speakers delivered engaging presentations on their respective topics to an attentive audience comprising participants and students.

Conference proceedings was unveiled at the time of inaugural on 27-02-2024 by the chief guest.

Day 1 FN (27-02-2024):

Dr. Thyagarajan, Assistant Professor, Central University of Tamil Nadu, Thiruvarur, Tamil Nadu delivered an enlightening session on blockchain technology. His discourse delved into the significance of cryptocurrencies like bitcoins and illuminated the shortcomings of conventional banking systems. He elucidated the intricate algorithm underpinning the decision-making process within blockchain technology, and expounded upon its manifold advantages and diverse applications. To enhance comprehension, Dr. Thyagarajan supplemented his talk with instructive videos. Subsequently, he assumed the role of chairperson for the plenary session, overseeing the technical presentations with adeptness and expertise.

Dr. Thyagarajan presented on Blockchain Technology and chaired the plenary session on 27-02-2024

Day 1 AN (27-02-2024):

Dr. C. Balakrishnan, Associate Professor at Christ University, Yeswanthpur Campus, Bengaluru delivered an insightful session on "Exploring Cyber Security towards Intelligence." During his presentation, he elucidated the intricate landscape of intelligence infrastructure and Cyber Physical Systems, shedding light on advanced hardware such as robotics, biometric devices, driverless cars, Quantum DNA, smart home or city technologies, 3D printers, smart agriculture, precision agriculture, and smart healthcare. To enhance understanding, Dr. Balakrishnan showcased a video on Neuralink, offering a glimpse into cutting-edge developments. Furthermore, he provided detailed insights into smart energy management. Later, Dr. Balakrishnan assumed the role of chairperson for the plenary session, where he facilitated the technical presentations with aplomb and expertise.

Day 2 FN (28-02-2024):

Dr. Md. Ali Mirza, Assistant Professor, Department of Computer Science and Engineering, Krishna University delivered a session on 'Artificial Intelligence', where he delved into the history, significance, benefits, and applications of AI, supplementing his talk with informative videos before chairing the session.

Dr. Md. Ali Mirza presented on Artificial Intelligence and chaired the plenary session on 28-02-2024
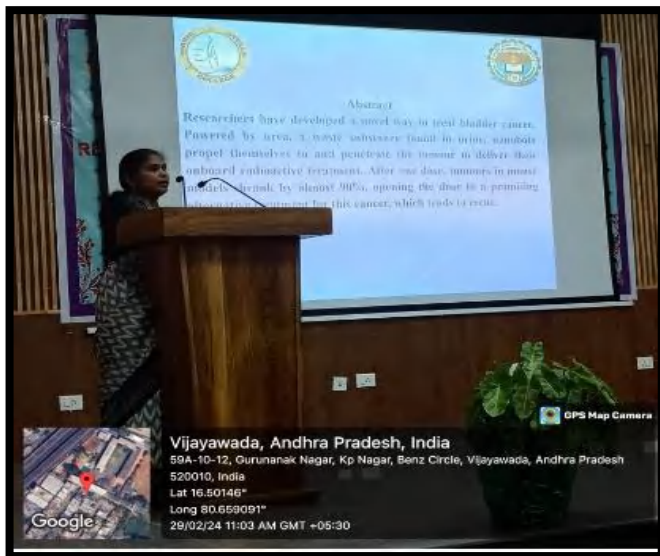
Day 2 AN (28-02-2024):

Dr. M. D. Anandraj, Coordinator & Assistant Professor, Department of Computer Science, Loyola College, Chennai delivered a session on 'AI in Agriculture', where he elucidated the benefits of AI, including soil conversion, water monitoring, supply chain optimizations, crop and soil moisture management, accurate yield predictions, and malnutrition detection, detailing the algorithms for successful detection and classification, as well as crop maturity and automatic weeding, before subsequently chairing the plenary session on 28th afternoon session and 29th forenoon session.

Dr. MD. Anandh Raj presented on AI on Agriculture and chaired the plenary session on 28-02-2024
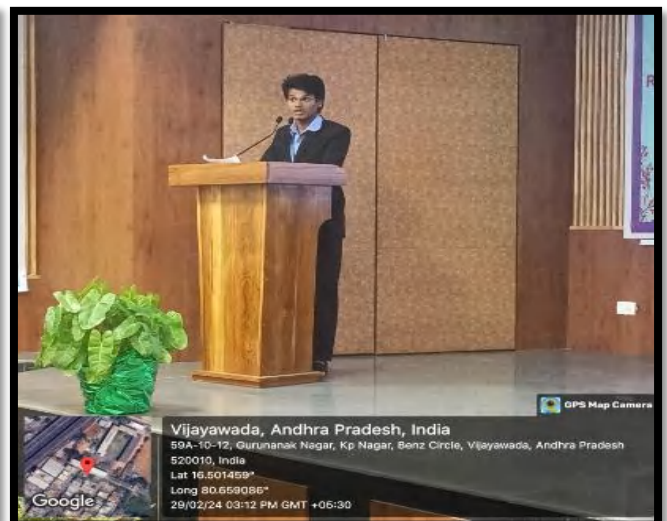
Day 3 FN (29-02-2024):

Dr. R. Vijaya Kumari, Principal (I/C), Krishna University College of Engineering and Technology, Krishna University delivered a session on 'AI, Data Science, and Applications', wherein she elaborated on the scope of AI, tracing its journey from inception, including the first expert system and neural network, while introducing key concepts and emphasizing the importance of data in the real world, elaborating on the 3V's of Big Data and employing videos for enhanced comprehension, before subsequently chairing the session.

Dr. R. Vijaya Kumari presented on 'AI, Data Science, and Applications' *and chaired the plenary session on 29-02-2024*

Day 3 AN (29-02-2024):

Dr. P. Joshua Reginald, Associate Professor, Department of ECE, Vignans Foundation for Science Technology and Research Deemed to be University, Vadlamudi, Guntur delivered presented a session on 'IoT Applications and Protocols', elucidating on connectivity, microcontrollers, IoT protocols, and the significance of application layer, transportation layer, and network layer, while also delving into IoT devices.

Dr. P. Joshua Reginald presented on 'IoT Applications and Protocols' and chaired the plenary session on 29-02-2024

The program continued with the valedictory session, graced by Dr. Sr. Kulrekha Mudartha, Principal I/C, and Dr. Sr. Leena Quadras. Dr. R. Vijaya Kumari, Principal (I/C) of Krishna University College of Engineering and Technology, Krishna University, Dr. P. Joshua Reginald, Associate Professor from the Department of ECE at Vignans Foundation for Science Technology and Research Deemed to be University, Vadlamudi, and Dr. M. D. Anandraj, Coordinator & Assistant Professor from the Department of Computer Science at Loyola College, Chennai, were honored guests.

Felicitation for the guests of honours in the valedictory session on 29-02-2024

Each speaker on the dais shared their conference experiences and extended their best wishes to the students and participants. Ms. E. Grace Lydia, HoD of Computer Science, concluded with closing remarks and a vote of thanks. At last, the three-day national conference ended with National Anthem.

Brochure Link:

https://drive.google.com/file/d/1QmodYK-YCq4itlg6z1KfXT8MVjmDV9IP/view?usp=drive_link

Registration form Link:

https://forms.gle/rbuNXX3KYg24d9MZ6

Whats app group invite link:

https://chat.whatsapp.com/IIKQlE8zemMGCfeBivKWe

Conference Invitation Link:

https://drive.google.com/file/d/1Hf7EsDCboDY4tZPL7kR2sUXOWIVFZnON/view?usp=drive_link

Valedictory Invitation Link:

https://drive.google.com/file/d/1C5W3jLGMn3cvznxvCkk0QZcBBR4LNZIH/view?usp=drive_link

Certificate of Appreciation for speakers:

https://drive.google.com/drive/folders/1t7BSYxm47qdHS5Ki1XVww87cZvchrEXN?usp=drive_link

Participation certificates:

https://drive.google.com/drive/folders/1PHPNwRlgD48i91OjGqiHqL-SSqym_Mq2?usp=drive_link

Presentation slots day wise:

https://docs.google.com/document/d/1CCoWp8JAl457EYSKVhI4sNh1d_YaqJUy/edit?usp=drive_link&ouid=102146155394192121992&rtpof=true&sd=true

Presentation files day wise:

https://drive.google.com/drive/folders/1k81pDWhpvA16TXKAsJoMZp6X1uoixq6t?usp=drive_link

Paper clippings:

https://drive.google.com/drive/folders/1t2gA4fwlh71XsLbq7hLcaHbZ_O1JxGZ1?usp=drive_link

Feedback links

https://drive.google.com/drive/folders/1OQjoRbVyG2W_F8WlGr6PKFfzV8vM1QOH?usp=drive_link

Youtube links:

Day 1:

https://youtube.com/live/8q-58ukV2k8?feature=share

Day 2:

https://www.youtube.com/watch?v=MYInOc9nh2o

Day 3:

https://youtube.com/live/NTQuvoY94_0?feature=share

OUTCOMES:

- Gain a strong understanding of data enrichment techniques and will be proficient in applying these techniques to real-world datasets.
- Develop skills in exploring and understanding datasets, using Pandas and NumPy for data manipulation and analysis.
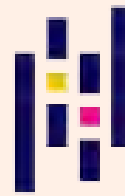- Use IPython for interactive data exploration and analysis.

Resource Person:
Dr. M. D. Anandaraj
Professor, Department of Computer Science
Loyola College, Chennai.

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The Department of Computer Science, Maris Stella College
is organizing a two day workshop on
"Python for Data Science: Data Enrichment with Pandas, NumPy and IPython "

9th & 10th October 2023

Computer Lab, 3rd floor BMP Block

OBJECTIVES:

- To provide an overview on data enrichment and it's vital role in data science and analytics.
- To introduce various techniques for data cleaning, handling missing values, and preparing data for analysis.

TOPICS ADDRESSED.....

Day 1:

- What is Python
- History of Python
- Differences between program and scripting language
- Scope of Python
- Installation of Python IDLE
- Features and Application of Python
- Variables,Datatypes,Operators
- Arrays (Lists,Tuple, Set,Dictionary),Files
- Hands on Practice

Day 2:

- Data science using python
- I Python
- Numpy
- Pandas
- Visualization with Matplotlib
- Machine learning
- Classification
- Regression
- K nearest neighbors
- Naive bayes
- K means clustering
- DBscan
- Hands on Practice

ORGANIZING COMMITTEE

1. MS. E. GRACE LYDIA, CONVENER
   HEAD, DEPT. OF COMPUTER SCIENCE
2. MS. P.VIDHYAVATHI, ORGANISING SECRETARY
   DEPT. OF COMPUTER SCIENCE
3. MS. P.MALATHI, ORGANISING SECRETARY
   DEPT. OF COMPUTER SCIENCE
4. SR. SUJITHA, ORGANISING SECRETARY
   DEPT. OF COMPUTER SCIENCE

MARIS STELLA COLLEGE (AUTONOMOUS), VIJAYAWADA
DEPARTMENT OF COMPUTER SCIENCE
2023-24
Report: on "Python for Data Science: Data Enrichment with Pandas, NumPy and IPython" – A Two Day Workshop

Date: 09-10-2023 & 10-10-2023

Time: 09:00 pm to 02:00 pm

Venue: Computer Lab, 3rd floor BMP Block

Organized by: Department of Computer Science.

Total number of participants: 34 students (III B.COM-COMP) and 4 Lecturers
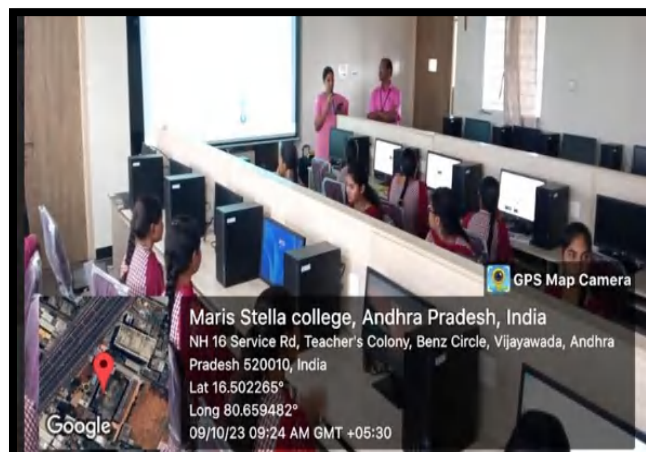
Objectives:

- To provide an overview on data enrichment and it' s vital role in data science and analytics.
- To introduce various techniques for data cleaning, handling missing values and preparing data for analysis.
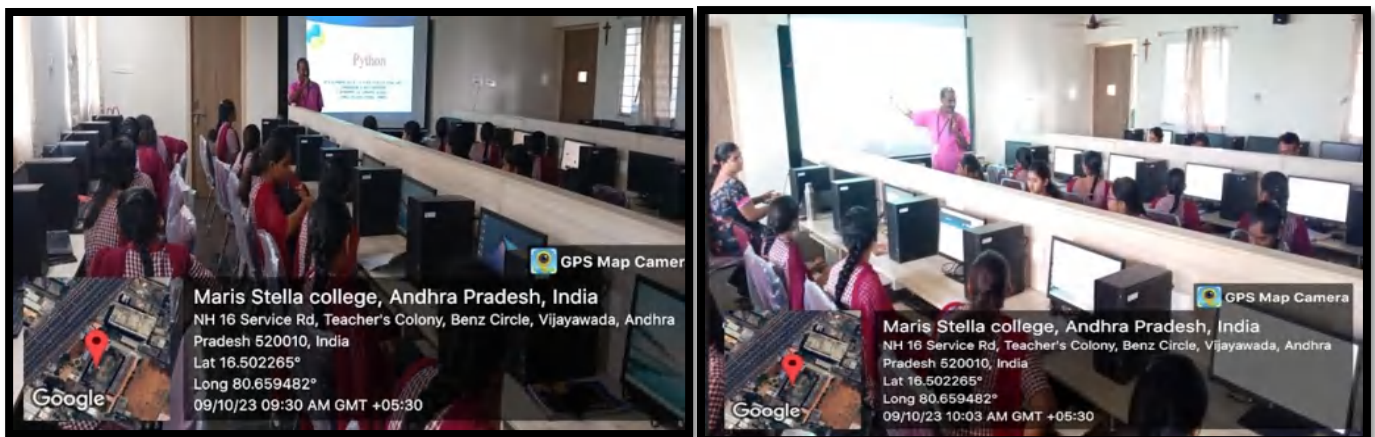
Brief Report:

The Department of Computer Science successfully organized a two-day workshop on 09-10-2023 and 10-10-2023.The main objective for this two-day workshop is to learn more about the "Python for Data Science" and have hands on experience.

The workshop commenced with a soulful prayer song, setting a harmonious tone. Taking the reins as the guide, Dr. M. D. Anandharaj, a distinguished Professor from Loyola College, Chennai, Department of Computer Science. The introduction was gracefully delivered by Sr. Sujitha, Lecturer in the Department of Computer Science, adding a personal touch to the event. Together, they paved the way for an enriching and insightful workshop experience.

During the initial day of the workshop, Dr. M. D. Anandharaj conducted a comprehensive exploration of Python's foundational principles. Beginning with an insightful overview of Python's historical journey, he elucidated the distinctions between programming and scripting languages, providing a context for understanding Python's unique position. The scope of Python was discussed, unveiling its versatility and wide-ranging applications across various domains.

Practical aspects took center stage as Dr. Anandharaj guided the students through the installation process of Python IDLE, ensuring everyone was ready to embark on their coding journey. Delving into the core elements of Python, he covered an array, including variables, data types, operators, and diverse data structures like lists, tuples, sets, and dictionaries. The intricacies of file handling were also unravelled, offering students a holistic understanding of Python's capabilities.
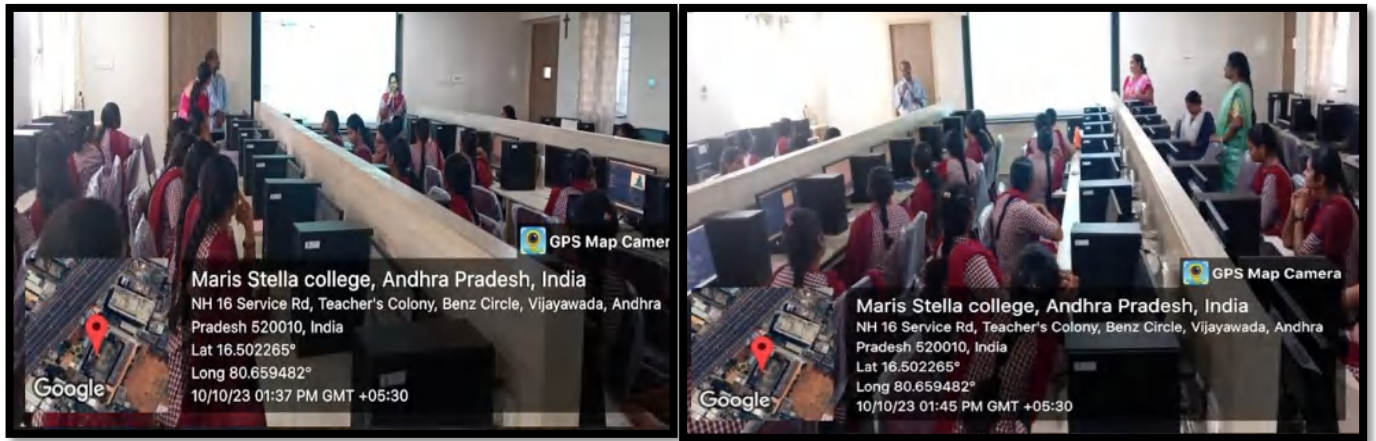

The learning experience was heightened through hands-on activities, with Dr. Anandharaj actively involving students in coding exercises. This practical approach not only reinforced theoretical concepts but also allowed participants to witness the execution process firsthand, fostering a deeper comprehension of Python's functionality. Overall, the inaugural session set a solid foundation for the workshop, blending theoretical knowledge with practical application under the expert guidance of Dr. Anandharaj.

On the following day, Dr. Anandharaj delved into the pivotal realm of Data Science, underscoring its significance in conjunction with Python. The session unfolded with an exploration of essential tools such as Numpy and Pandas, laying the groundwork for effective data manipulation and analysis. The intricate art of data visualization was illuminated through Matplotlib, enhancing participants' skills in representing insights graphically.

The journey into the domain of Machine Learning commenced with Dr. Anandharaj demystifying key concepts like Classification, Regression, and the algorithms behind them, including K Nearest Neighbors,
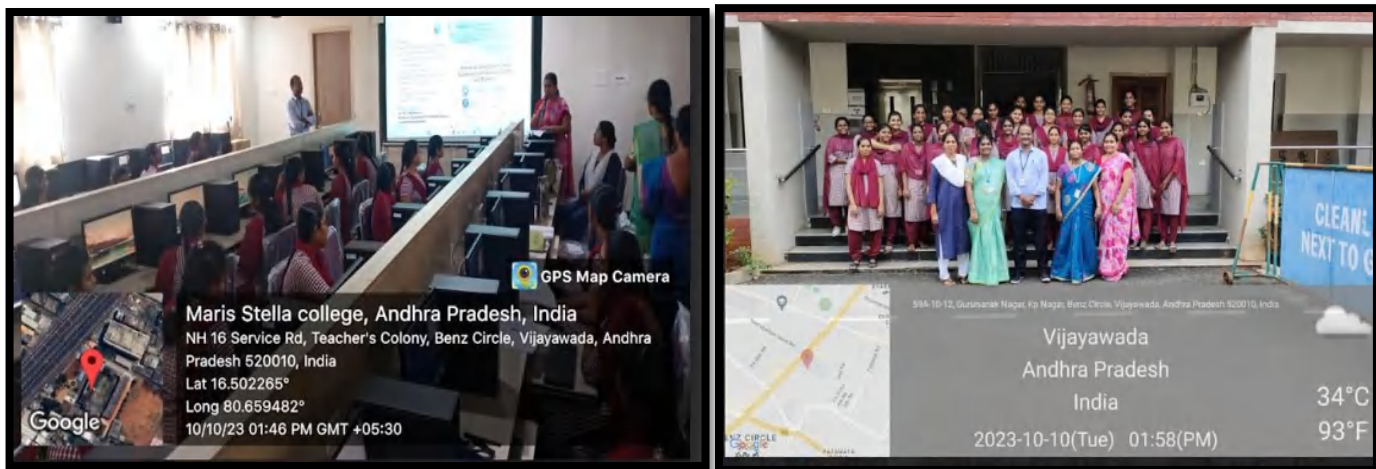
Naive Bayes, and K Means Clustering. The application of DBscan for clustering further enriched the discourse, providing a holistic view of clustering techniques.

The theoretical immersion seamlessly transitioned into a hands-on session, offering students a practical interface with the concepts discussed. This interactive component not only solidified theoretical knowledge but also empowered participants to engage directly with the tools and techniques introduced. Dr. Anandharaj's adept guidance ensured that the second day not only expanded the intellectual horizons of the participants but also equipped them with tangible skills through experiential learning.

As the workshop drew to a close, several students took the opportunity to express their perspectives on the enriching experience. Ms. E. Grace Lydia, the Head of the Computer Science Department, gracefully brought the proceedings to a conclusion with a heartfelt vote of thanks.

The student testimonials provided valuable insights into the impact of the workshop on their learning journey, highlighting key takeaways and moments of inspiration. Their diverse perspectives underscored the workshop's effectiveness in fostering a deeper understanding of the subject matter.

Ms. E. Grace Lydia's vote of thanks not only expressed gratitude to those who contributed to the workshop's success but also served as a reflection on the collective learning and collaborative spirit that defined the event. Her closing remarks encapsulated the sense of camaraderie and shared knowledge that had permeated the workshop, leaving both participants and organizers with a sense of accomplishment and appreciation for the collective efforts invested in the learning experience.

Brochure Link:
https://drive.google.com/file/d/1uxWQICvP4koLQRTmFy6ccNvvdn4UO0dX/view?usp=sharing

Feedback form Link:
https://forms.gle/S1dZHAhzexwtWPzWA

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One – Day National Workshop on
'Technologies and Insights Through Simple Experiments for the Prosperity of Society'
Organized by
Departments of Physics & Chemistry

Date: 26.2.2024   **Time: 9.00 am - 4.00 pm**

Overview:

The one-day workshop on "Technologies and Insights Through Simple Experiments for the Prosperity of Society" aims to provide participants with valuable insights into the application of technology through hands-on experiments. By offering practical demonstrations and discussions, the workshop seeks to empower individuals with the knowledge and skills needed to address societal challenges effectively. Through an exploration of simple yet impactful experiments, attendees will gain a deeper understanding of how technology can contribute to the advancement and well-being of society, fostering innovation and sustainable development in various fields.

Objectives:

- To familiarize participants with the principles of various technologies through hands-on experiments.
- To equip participants with practical skills and knowledge to address societal challenges using simple yet effective technological solutions.

Outcomes:

- Participants will gain a deeper understanding of the application of technology in addressing real-world issues.
- Participants will acquire practical skills through insights and hands-on experimentation, enabling them to implement innovative solutions for societal prosperity.

About the College

Maris Stella College, established on July 16, 1962, was the first women's college in the region. Committed to its vision, the college provides quality education with high academic standards, aiming for holistic development rooted in values. It prioritizes students from disadvantaged backgrounds, preparing them for a changing world. Achieving steady academic growth, the college attained autonomy in 2003 and introduced the Choice Based Credit System in 2006. Recognized as a 'College with Potential for Excellence' by the UGC, it benefits from the RUSA 2.0 scheme. Additionally, it participates in US-sponsored programs like student exchanges, certificate courses, and scholarships.

Resource Persons

Prof. Y. S. Rao, PhD (ES-IIT Bombay)
Vice-Principal, Dean R&D
Sardar Patel Institute of Technology (S.P.I.T)
& Director, Go Green Technologies, Mumbai

Mr. Upadrashta Lakshmana Suri
Member, Indian Association of Physics Teachers
Panel Member, Regional Science Center, APCOST

Schedule

Session I: 9:00-10:30am
Topic: 'Sensor Technologies: Healthcare, Wellness and Environmental Applications"
Resource Person: Prof. Y. S Rao

Session II: 10:30 – 12:30 pm & 1.30 to 3.30 p.m
Topic: 'Scientific Insights.Xperiments'
Resource Person: Mr. Upadrashta Lakshmana Suri

Chief Patron	**Patron**	**Convener**
Dr. Sr. Leena Quadras	Dr. Sr. Kulrekha Mudartha	Dr. G. Little Flower
Correspondent	Principal	Head, Dept. of Physics

Organizing Committee

Dr.S. Vani Latha (Organizing Secretary). Head, Dept. of Chemistry

Ms. D. Santha Kumari, Lecturer, Dept. of Chemistry

Ms. V. Javali, Lecturer, Dept. of Chemistry

Ms. Uma Maheswari, Lecturer, Dept. of Chemistry

Ms. P. Padma Latha, Lecturer, Dept. of Physics

Ms. R. Sara Kumari, Lecturer, Dept. of Physics

Ms D.Jeevitha, Lecturer, Dept. of Physics

Dr. P. Jayaprada, Lecturer, Dept. of Physics

Technical Support:

Mr. K. Prasad, System Admin.

Mr. Y. Vinod, System Admin.

National Workshop on "Technologies and Insights Through Simple Experiments for the Prosperity of Society"

26.02.2024

The Departments of Physics & Chemistry organized one-day workshop on "Technologies and Insights Through Simple Experiments for the Prosperity of Society" at its Audio Visual room on 26.02.2024. Prof. Y. S. Rao, PhD (ES-IIT Bombay), Vice-Principal, Dean R&D, Sardar Patel Institute of Technology (S.P.I.T) & Director, Go Green Technologies, Mumbai addressed the students on the topic 'Sensor Technologies: Healthcare, Wellness, and Environmental Applications' and Mr. Upadrashta Lakshmana Suri, Member, Indian Association of Physics Teachers, Panel Member, Regional Science Center, APCOST, Andhra Pradesh addressed on 'Scientific Insights and Experiments.'

The workshop focused on exploring simple yet impactful experiments to deepen understanding of how technology can contribute to the advancement and well-being of society. By familiarizing participants with the principles of various technologies and equipping them with practical skills, the workshop aimed to foster innovation and sustainable development across various fields.

Prof. Y.S. Rao highlighted the profound impact of nature's simple insights on technological advancement, leading to groundbreaking innovations across diverse fields. Despite encountering failures along the way, he emphasized the importance of perseverance. Drawing parallels with the experiences of actors Amitabh Bachchan and Sunny Deol, he illustrated how overcoming moments of despair can pave the path to success. Furthermore, Prof. Rao underscored the significance of patent rights in scientific innovations, sharing his own regretful experience of neglecting to patent his project 'Swift Doc,' which was recognized at an international competition. He elaborated on the pivotal role of sensors, especially in healthcare, while cautioning against the misuse of technological advancements such as drones, originally designed for emergency medical deliveries but now often employed for illicit purposes.

Mr. Upadrashta Lakshmana Suri emphasized the importance of fostering curiosity among students and encouraged them to test learned concepts through simple experiments. He noted that the pleasure or pressure experienced by students hinges on their attitude towards learning, asserting that attitude ultimately determines both aptitude and altitude of success in life. To instill a scientific temperament, he demonstrated basic physics principles—reflection, refraction, total internal reflection, and Bernoulli's principles—using everyday objects readily available at home. Furthermore, he elucidated the workings of Polar Satellite launching vehicles and missile launching techniques through the use of various rocket models.

Through engaging sessions, interactive discussions, and practical demonstrations, participants gained knowledge. They were encouraged to draw inspiration from Mother Nature, utilizing its insights to innovate for advancement while prioritizing sustainability, biodiversity preservation, and the well-being of all. 85 students and ten faculty members from Physics, Chemistry, Statistics and Electronics participated in it. 25 students of Electronics and Technology from Sardar Patel Institute of Technology (S.P.I.T), Mumbai participated in the workshop in online mode.

Prof. Y. S. Rao, PhD (ES-IIT Bombay), Vice-Principal, Dean R&D, Sardar Patel Institute of Technology (S.P.I.T) & Director, Go Green Technologies, Mumbai and Mr. Upadrashta Lakshmana Suri, Member, Indian Association of Physics Teachers, Panel Member, Regional Science Center, APCOST, Andhra Pradesh, addressing students in the workshop on "Technologies and Insights Through Simple Experiments for the Prosperity of Society" on 26.02.2024.

Students told to overcome despair to pave path to success

Prof Y S Rao, Vice-Principal and Dean (R&D) of Sardar Patel Institute of Technology, underscores the significance of patent rights in scientific innovations

MV Syam Sundar
Vijayawada

PROF Y S Rao, Vice-Principal and Dean (R&D) of Sardar Patel Institute of Technology & Director of Mumbai-based Go Green Technologies, underscored the profound impact of nature's simple insights on technological advancement, leading to ground-breaking innovations across diverse fields.

He was addressing a one-day workshop on "Technologies and Insights through Simple Experiments for the Prosperity of Society" at Maris Stella College here on Monday. Speaking on 'Sensor Technologies: Healthcare, Wellness, and Environmental Applications', Prof YS Rao emphasised the importance of perseverance despite encountering failures along the way. Drawing parallels with the experiences of actors Amitabh Bachchan and Sunny Deol, he illustrated how overcoming moments of despair can pave the path to success. Furthermore, Prof Rao underscored the significance of patent rights in scientific innovations, sharing his own regretful experience of neglecting to patent his project 'Swift Doc,' which was recognised at an international competition. He elaborated on the pivotal role of sensors, especially in healthcare, while cautioning against the misuse of technological advancements such as drones, originally designed for emergency medical deliveries but now often employed for illicit purposes.

Upadrashta Lakshmana Suri, member of Indian Association of Physics Teachers, spoke on 'Scientific Insights and Experiments' and stressed on the importance of fostering curiosity among students and encouraged them to test learned concepts through simple experiments. He noted that the pleasure or pressure experienced by students hinges on their attitude towards learning, asserting that attitude ultimately determines both aptitude and altitude of success in life. To instill a scientific temperament, he demonstrated basic physics principles — reflection, refraction, total internal reflection, and Bernoulli's principles using everyday objects readily available at home. About 85 students and 10 faculty members from the departments of Physics, Chemistry, Statistics and Electronics participated in the workshop apart from virtual participation of 25 students of Electronics and Technology from Sardar Patel Institute of Technology (SPIT) from Mumbai.

MARIS STELLA COLLEGE (AUTONOMOUS), VIJAYAWADA – 8
DEPARTMENT OF PHYSICS

Report of a two day Workshop on
"Phosphors: Synthesis, Characterization, and Applications"
11.08.2023 & 12.08.2023
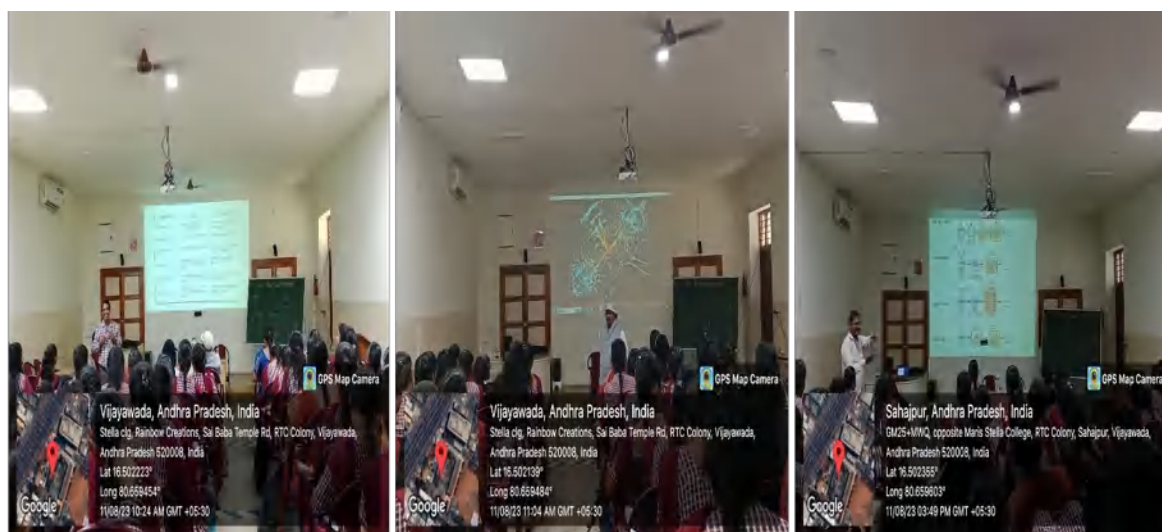
Maris Stella organizes a two-day workshop

Nanoscience has the potential to revolutionize industries, improve quality of life, address global challenges, and continues to be a driving force behind innovation and scientific progress in the 21st century. In view of its significance, the Department of Physics, Maris Stella College, organized a two-day workshop on "Phosphors: Synthesis, Characterization, and Applications" on 11th August 2023 and a visit to Nanoscience and Physics Instrumentation Centre at K L Educational Foundation (KLEF) was arranged on 12.08.2023. The workshop envisioned to train students with the insights to the basics of nanomaterials, including their synthesis techniques, characterization methods, and diverse range of applications and motivate them to take up career as a material scientist. The aim was to educate, empower, and enable youth to gain knowledge, practical skills in the evolving Nanoscience field and helped students to become aware of opportunities in the dynamic field of nanotechnology and its applications in soft matter such as LCDs.

Dr.P.Pardhasaradhi, Professor and Associate Dean R&D(Publications), department of ECE, Koneru Lakshmaiah Education foundation presented a talk on 'Liquid Crystals and their applications in Antenna Design' and Prof. M. Ramakrishna Nanchara Rao, Department of Physics, Co-ordinator Advanced Analytical Laboratory (AAL), Andhra University, Visakhapatnam addressed the students on the topic 'Advancement of electro- optical properties of liquid crystals with dispersed phosphor/metal nanocomposites', and Dr.Giridhar

Department of Nanotechnology, Acharya Nagarjuna University, Guntur, spoke on 'Phosphors: Synthesis, Characterization, and applications to Solid State Lighting'. The resource persons highlighted the potential applications of Liquid crystals. 100 students with Physics, Chemistry and Electronics background and 8 faculty participated in the workshop.

On 12.08.2023, 63 students accompanied by Dr.G.Little Flower, Ms.P.Padmalatha visited Koneru Lakshmaiah Education Foundation (KLEF) and visited Research instrumentation centre. Faculty from Department of Physics (KLEF) Dr.M.Venkateswaralu, Dr.Shanmugam, Dr. Mahamuda Sk, Dr.A.Venkateswara Rao, Dr.Sonali Biswas, and Ph.D scholars Ms.Sangeetha, Mr.Partheeban and Mr. Nagendra explained the functioning of

research lab instruments in Advanced Functional Materials research centre, instruments used for characterization of nanomaterials, phospers etc. and demonstrated the synthesis of ZnO nanoparticles, thin film coating technique etc. The two-day workshop came to an end with valedictory function at KLEF. Administration members and HoDs of Physics, Chemistry and Mathematics motivated students towards higher learning and explained various career opportunities in the respective disciplines.

Thus, this workshop helped students to acquire knowledge in simple synthesis techniques, properties, characterization techniques of synthesized nanomaterials, optical and dielectric parameters of LC materials with dispersed nanosized phosphors/ metal nanoparticles that play crucial role for Liquid Crystal Display and in Antenna design applications and various other potential applications of nanomaterials and nanocomposites. They also became familiar with skills through hands-on lab sessions on synthesis of nanomaterials and phosphors.

Dr.P.Pardhasaradhi, Professor, KLEF, Prof. M. Ramakrishna Nanchara Rao, Co-ordinator Advanced Analytical Laboratory (AAL), Andhra University, and Dr.Giridhar, Acharya Nagarjuna University addressing the students at a Two-day workshop on "Phosphors: Synthesis, Characterization, and Applications" on 11th August 2023' organized by Department of Physics, Maris Stella College, Vijayawada.

A visit to research instrumentation centre as part of a two-day workshop on "Phosphors: Synthesis, Characterization, and Applications" at Koneru Lakshmaiah Education Foundation (KLEF) on 12th August 2023' organized by the Department of Physics, Maris Stella College, Vijayawada.

At the valedictory function of a two-day workshop on "Phosphors: Synthesis, Characterization, and Applications" at Koneru Lakshmaiah Education Foundation (KLEF) on 12th August 2023' organized by the Department of Physics, Maris Stella College, Vijayawada.