A.G & S.G Siddhartha Degree College for Arts & Science (Autonomous), Vuyyuru-521165

➢ **2023-2024**

Name of the event: Students Awareness Program
Topic: JAN BHAGIDARI AND PRECURSOR EVENTS
Date Conducted: 7th June 2023
Name and designation of the resource person: S.Srinivasa Rao, APSSDC, DSDO
Report on the guest lecture:

1. **Objectives:**

   It works to address major issues related to the global economy, such as international financial stability, climate change mitigation and sustainable development.

   Notes on lecture:

   He addressed the information about the students' employment opportunities. He created awareness among the students about how to recruit in Employability and how to improve efficiency of a program by using basic mathematical principles.

   Outcome:

   1. Enhanced global visibility: India's presidency of the G20 provides an opportunity for the country to showcase its leadership on a global stage and increase its visibility on key economic and financial issues.

   2. Improved economic relations: The G20 presidency provides a platform for India to engage with other countries and build stronger economic relationships, which could lead to increased trade, investment, and cooperation.

   3. Domestic economic reforms: Hosting the G20 summit requires India to demonstrate its commitment to domestic economic reforms, which could boost investor confidence and encourage economic growth.

   4. Addressing global economic challenges: As the presidency of the G20, India has a unique opportunity to play a leading role in addressing global economic challenges, such as the COVID-19 pandemic, climate change, and inequality.

   5. Strengthening multilateralism: India's presidency of the G20 can help strengthen multilateralism and promote cooperation among nations on key economic and financial issues.

Signature of the HOD

(T. Naga Prasada Rao)

A.G & S.G Siddhartha Degree College for Arts & Science (Autonomous), Vuyyuru-521165

➢ **2023-2024**

Name of the event: Guest Lecture

Topic: Data Structures and Algorithms

Date Conducted: 2nd July 2023

Name and designation of the resource person: P.Hareesha, Lecturer in Department of Computer Science, Sri Vidya Degree College, Gudivada.

Report on the guest lecture:

Objectives:

The role of algorithms and data structures in Computer Science. Programming forms the core of Computer Science. Algorithms and data structures **move the focus of programming away from the constructs found in programming languages to considering how we can program the computer to do useful things**.

Notes on Lecture:

A **data structure** is a way of organizing and storing data in a computer so that it can be accessed and used efficiently. It defines the relationship between the data and the operations that can be performed on the data

Data structures are essential for the following reasons:

- **Efficient Data Management:** They enable efficient storage and retrieval of data, reducing processing time and improving performance.

- **Data Organization:** They organize data in a logical manner, making it easier to understand and access.

- **Data Abstraction:** They hide the implementation details of data storage, allowing programmers to focus on the logical aspects of data manipulation.

- **Reusability:** Common data structures can be reused in multiple applications, saving time and effort in development.

- **Algorithm Optimization:** The choice of the appropriate data structure can significantly impact the efficiency of algorithms that operate on the data.

Outcome:

1. Design or select an appropriate algorithm for a particular problem.
2. Design or select an appropriate data structures for a particular problem.

Signature of the HOD

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A.G & S.G Siddhartha Degree College for Arts & Science (Autonomous), Vuyyuru-521165

> **2023-2024**

Name of the event: Guest Lecturer

Topic: Machine Learning With Python

Date Conducted: 2nd September 2023

Name and designation of the resource person: Dr. K.Lakshmi, Director of Vision Computers, Vuyyuru.

Report on the guest lecture:

1. **Objectives:**

   The primary purpose of machine learning is to discover patterns in the user data and then make predictions based on these and intricate patterns for answering business questions and solving business problems.

2. **Notes on lecture:**

   These notes focus on the python-specific coding concepts, how to solve certain data science–related tasks in python, and on basic functionality of the more popular libraries. More detailed functionality is not covered. This is a deliberate choice–many questions are easier to answer with just a quick web search than by reading textbooks like this. This applies very much to the usage of library function–most of those have a large number of arguments that are easy enough to look up in the corresponding documentation.

3. **Outcome:**

   Machine Learning is making the computer learn from studying data and statistics.

   - Machine Learning is a step into the direction of artificial intelligence (AI).
   - Machine Learning is a program that analyses data and learns to predict the outcome.

GPS Map Camera
Vuyyuru, Andhra Pradesh, India
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Hebronnagar, Gandigunta, Vuyyuru, Andhra Pradesh 521165, India
Lat 16.360256°
Long 80.839289°
02/09/23 11:05 AM GMT +05:30

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➤ **2023-2024**

Name of the event: Workshop

Topic: CO's & Po's Mapping

Date Conducted: 01st October 2023

Name and designation of the resource person: Dr Satya Dev Assist Professor, P.B Siddhartha College of Arts & Science, Vijayawada.

Report on the guest lecture:

Objectives:

Creating a link between the Course Outcomes (Cos) and program outcomes (POs), for each lesson and assessment is called CO-PO Mapping. It helps to encourage and apply **Outcome Based Education** in the schools and colleges for attaining a futuristic approach towards education along with improved learning outcomes.

Notes on lecture:

Student data is the key ingredient while a faculty prepares reports. So, any mistake in student data would directly impact the journey right from – **analyzing, observing, creating feedback, to planning new teaching-learning strategies!** Agree? CO-PO mapping report generation requires just a few minutes Yes, you can pool as much student data as you want at any given time. **OBE software** offers you such provisions. Essentially, you can say that an **OBE system** is the best option for teachers who spend countless hours analyzing students' performance.

Managing Data on Centralized Platform

For every section/academic year/class/student – you need to keep updating the data day-wise/week-wise/month-wise/year-wise!
The reason is – every day a student learns new things and evolves as an individual! There will be days when the graph will go up and on the other, it will decline. But it wouldn't be constant for sure.
Storing, saving, and managing the student lifecycle on a daily basis may make you lose information. This is where an outcome based software with CO-PO attainment report provision stands out.

It saves your data on a centralized platform. Although faculty can use different logins to update it, the entire information would be in one place, making it super easy to scrutinize the details.

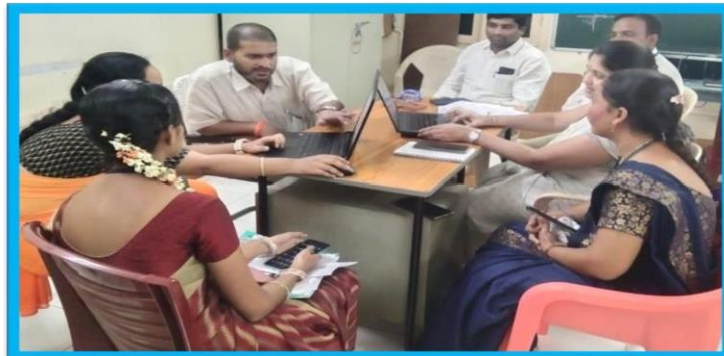**Alignment with Bloom's Taxonomy**

Bloom's Taxonomy is like a Bible to understand students' mindsets.

You can understand the students' behavior – their strengths, areas where they struggle, and of course their current performance in order to figure out strategies for better learning outcomes. **Outcome based education** assessment reports that go through the following funnel of Bloom's Taxonomy checkpoints would be considered legit more than anything.

Outcome:

CO, PO attainments and helps in the creation of 100% accurate reports!

The mapping process involves identifying the relationship between each CO and the relevant POs. This helps in: Ensuring that the curriculum covers all necessary aspects of the program. Guiding the development of teaching materials and assessment methods. Monitoring and improving the effectiveness of the education provided.

Signature of the HOD

(T. Naga Prasada Rao)

A.G & S.G Siddhartha Degree College for Arts & Science (Autonomous), Vuyyuru-521165

➢ **2022-2023**

Name of the event: Certificate Course
Topic: Communication and Soft Skills
Date Conducted: 24-Oct-2023 to 24-Nov-2023.
Name and designation of the resource person: Mr. K Naga Raju, Instructor of this program, UNNATIGNN Bangalore
Report on the guest lecture:

Objectives:

The objectives of communication and soft skills are interconnected and vital in various aspects of personal and professional life. Here's a breakdown of their objectives:

Clarity: Effective communication aims to ensure that messages are understood clearly by the intended audience. Soft skills such as articulation and active listening contribute to achieving clarity in communication.

Understanding: Communication facilitates the exchange of ideas, information, and emotions between individuals or groups. Soft skills like empathy help in understanding others' perspectives and feelings, fostering better relationships and collaboration.

Influence: Communication and soft skills are often used to persuade, motivate, or inspire others. Being adept at conveying ideas persuasively and engagingly can influence people positively, whether in a leadership role, sales, or everyday interactions.

Conflict Resolution: Effective communication and soft skills are crucial in resolving conflicts by fostering open dialogue, empathy, and negotiation. Skills such as diplomacy, assertiveness, and problem-solving help in managing conflicts constructively.

Building Relationships: Both communication and soft skills play a significant role in building and maintaining relationships, whether personal or professional. Building rapport, trust, and mutual respect through effective communication enhances collaboration and teamwork.

Notes on lecture:

Communication Basics:

Communication is the process of exchanging information, ideas, thoughts, and feelings.

It involves both verbal and non-verbal elements such as body language, tone of voice, and facial expressions.

Effective communication requires clarity, brevity, relevance, and appropriate timing.

Types of Communication:

Verbal Communication: Involves spoken or written words.

Non-verbal Communication: Includes body language, gestures, facial expressions, and eye contact.

Written Communication: Involves emails, reports, memos, letters, and other written forms of communication.

Interpersonal Communication: Interaction between individuals, whether face-to-face or through various mediums like phone calls or video conferencing.

Soft Skills:

Soft skills are personal attributes and traits that enable effective interactions, communication, and relationships with others.

Examples include empathy, active listening, emotional intelligence, teamwork, adaptability, and problem-solving.

Soft skills complement technical or hard skills and are often critical for success in various professional roles.

Outcome:

The outcomes of effective communication and well-developed soft skills are numerous and impactful across personal, academic, and professional spheres. Here are some key outcomes:

Improved Relationships: Effective communication fosters stronger and healthier relationships by promoting understanding, empathy, and trust. Individuals with strong soft skills can engage in meaningful conversations, resolve conflicts constructively, and build rapport with others.

Enhanced Collaboration: Teams with members possessing strong communication and soft skills can collaborate more effectively. They can share ideas, coordinate tasks, and address challenges efficiently, leading to higher productivity and better outcomes.

Signature of the HOD

(T. Naga Prasada Rao)

A.G & S.G Siddhartha Degree College for Arts & Science (Autonomous), Vuyyuru-521165

> ## 2023-2024

Name of the event: Guest Lecture

Topic: MS Excel and MSAccess

Date Conducted: 28 October 2023

Name and designation of the resource person: Sri.T.Naga Prasad Rao, HOD, Dept.of Computer Science, AG and SG Siddhartha Degree College of Arts and Science, Vuyyuru.

Venue: Z.P.H.SCHOOL Vuyyuru.

Report on the guest lecture:

Objectives:

The main Objective of Microsoft Excel to help users build financial and statistical models and help them track any data inputs. By contrast, Access tries to help users collect, sort, and manipulate data. Storage capacity. Regarding storage capacity, MS Access has easily beaten Excel, as Excel is not built to store data.

Notes on lecture:

MS Excel is a **spreadsheet program** that is created by **Microsoft**, for platforms like Windows; It is used for **Data Organization**, **Formatting**, **Calculation**, **Data Analysis**, and other tasks. If you are seeking a full guide to MS Excel and its formulas, then this MS Excel tutorial is designed for beginners and experienced Excel professionals.

Here in this Excel tutorial, we cover all the basic and advanced-level topics to get from zero to mastery of the MS Excel program.

MS-Access is application software for managing the databases. It is released by **Microsoft** in November 1992. It actually stores the data on the basis of the **relational Jet Database Engine**. It mainly provides the graphical user interface for accessing the data and the tools for software development. It helps the users for managing the related data more efficiently than Microsoft Excel or other applications of spreadsheets. to create large or enterprise-level databases but mainly used to create small databases.

Outcome:

MS Excel

- Basic features of **MS** Excel include spreadsheet organization, data entry and formatting, and formulas and functions. Advanced features of MS Excel include pivot tables, macros, and data analysis tools. MS Excel is used in the workplace for financial analysis and reporting, project management, and data visualization Machine Learning is a program that analyses data and learns to predict the outcome.

MS Access

- Manage accounts and bills
- Store data in the form of tables and edit or customise them later as per the requirement of the user ...
- It can be used to make our websites ...
- Comparing data or finding a relationship between the existing data can be done using Access ...

Signature of the HOD

(T. Naga Prasada Rao)

A.G & S.G Siddhartha Degree College for Arts & Science (Autonomous), Vuyyuru-521165

➢ **2022-2023**

Name of the event: Guest Lecture.

Topic: "Web Designing".

Date Conducted: 26-12-23.

Name and designation of the resource person: Mr. G.Mahesh, Lecturer in Computer Science, Sri Srinivasa Degree College, Vuyyuru.

Report on the guest lecture:

Objectives:

Providing quality content on your website, regularly adding new information, establishing trust, and marketing your site on other websites and social media.

Notes on lecture:

- Browsers. ...
- HTML & CSS. ...
- Web Development Frameworks. ...
- Programming Languages. ...
- Protocols. ...
- API. ...
- Data formats. ...
- Client (or Client-side)

Outcome:

Write HTML and understand how to effectively implement it in the web environment. Write CSS effectively to create well organized, styled web pages. Use the HTML Document Object Model (DOM) to manipulate and organize a web page. Create a functioning web store with variable products.

Create web pages using XHTML and Cascading Style Sheets. Build dynamic web pages Using JavaScript (Client side programming). Create XML documents and Schemas. Build Interactive web applications using AJAX.

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(T. Naga Prasad Rao)

A.G & S.G Siddhartha Degree College for Arts & Science (Autonomous), Vuyyuru-521165

- **2023-2024**

  Name of the event: Extension activity Program

  Topic: Basic Computer Applications

  Date Conducted: 24th January 2024

  Name and designation of the resource person: Sri T.NagaPrasdaRao, HOD of Computer Science, AG & SG Siddhartha Degree college,Vuyyuru.

  Report on the guest lecture:

  Objectives:

  The course is designed to aim at imparting a basic level appreciation programme for the common man. After completing the course the incumbent is able to the use the computer for basic purposes of preparing his personnel/business letters, viewing information on Internet (the web), sending mails, using internet banking services etc. This allows a common man or housewife to be also a part of computer users list by making them digitally literate. This helps the small business communities, housewives to maintain their small account using the computers and enjoy in the world of Information Technology.

  Notes on lecture:

  The course mainly focused on:

  - Use basic functions of a computer

  - Perform basic tasks in Microsoft Word

    - Create and save files in Microsoft Word
    - Format text in Microsoft Word clarity
    - Use spell check and find and replace tools
    - Create and format numbered and unnumbered lists

  - Perform basic tasks in Microsoft Excel

    - Using Excel

    - Basic Formatting and Layout

    - Basic Formatting and Layout

  - Perform basic tasks in Microsoft PowerPoint

    - Create and save a new presentation

    - Edit and organize a presentation

    - Add objects to a presentation

Outcome:

After completing the course the incumbent is able to the use the computer for basic purposes of preparing his personnel/business letters, viewing information on Internet (the web), sending mails, using internet banking services etc.

Signature of the HOD

(T. Naga Prasada Rao)

A.G & S.G Siddhartha Degree College for Arts & Science (Autonomous), Vuyyuru-521165

Name of the Event	:	Exploring ICT Excellence: High School students visit to our College
Topic	:	Embracing Digital Innovations: A Journey through Interactive Learning Technologies
Date Conducted	:	24-01-2024
Name & Designation of the Resource Person	:	Ch. Anil Kumar, Lecturer in Computer Science
Report on the activity	:	The field visit aimed to introduce high school students to the Information and Communication Technology (ICT) facilities available at our college. The focus was on showcasing modern technologies like digital boards and Samsung's Sense Connect platform to enhance interactive learning experiences.
Objectives	:	• Introduce high school students to modern Information and Communication Technology (ICT) facilities available in a higher education setting. • Showcase the use of digital boards as a tool for interactive and engaging teaching and learning experiences. • Demonstrate the functionality and benefits of Samsung's Sense Connect platform in collaborative learning environments.
Notes	:	**Introduction to Digital Boards:** Students were introduced to digital boards, highlighting their features and benefits in modern education. The interactive nature of digital boards was demonstrated through real-time annotations and multimedia presentations. **Samsung's Sense Connect Showcase:** The highlight of the visit was the showcase of Samsung's Sense Connect platform, emphasizing its role in collaborative learning and digital engagement. Students had hands-on experience with Sense Connect tools and learned about its applications in education. **Interactive Sessions:** Interactive sessions were conducted where students actively participated in quizzes, discussions, and virtual simulations using ICT tools. These sessions encouraged student engagement and demonstrated the effectiveness of technology in education.
Outcome	:	The activity successfully exposed high school students to advanced ICT tools and their applications in education. It fostered interest and enthusiasm among students towards incorporating technology in their learning journey. The interactive nature of the sessions facilitated meaningful discussions and learning experiences, contributing to the

		overall educational objectives of the visit.
Evidence	:	

Signature of the HOD

(T. Naga Prasada Rao)

A.G & S.G Siddhartha Degree College for Arts & Science (Autonomous), Vuyyuru-521165

Name of the Event	:	Guest Lecture
Topic	:	For 9th Class Students – Microsoft Excel Basics For 10th Class Students – Introduction to Database Management Systems.
Date Conducted	:	27-01-2024
Name & Designation of the Resource Person	:	Ch. Anil Kumar, Lecturer in Computer Science
Report on the activity	:	This guest lecture is aimed to deliver Microsoft Excel basics for 9th class students, Introduction to Database Management system for 10th class students.
Objectives	:	• To introduce 9thclass students to the basics of Microsoft Excel, enhancing their skills in data management and analysis. • To provide 10thclass students with an introduction to databases, focusing on fundamental concepts and applications in information management. • To engage students in interactive learning sessions that promotes practical understanding and hands-on experience with ICT tools.
Notes	:	• The guest lecture for 9thclass students covered essential topics such as Excel interface navigation, data entry, basic formulas, and simple data analysis techniques. • For 10thclass students, the lecture introduced key concepts of databases, including data organization, types of databases, data manipulation, and database applications. • Interactive demonstrations and practical exercises were conducted to reinforce learning and facilitate active participation among students. • Real-world examples and case studies were shared to illustrate the practical applications of Excel and databases in various domains. • Q&A sessions were held to address students' queries and clarify concepts related to Excel and databases.
Outcome	:	• Increased awareness and understanding of Microsoft Excel basics among 9thclass students, enabling them to apply spreadsheet skills in academic tasks and projects. • Enhanced knowledge of databases and their significance in data management among 10thclass students, laying a foundation for further exploration in database technologies. • Improved digital literacy and ICT proficiency among participating students, contributing to their overall skill development and readiness for future educational pursuits and careers.

Evidence :

Signature of the HOD

(T. Naga Prasada Rao)

A.G & S.G Siddhartha Degree College for Arts & Science (Autonomous), Vuyyuru-521165

➢ **2023-2024**

Name of the event: Students Awareness Program

Topic: National Voters day

Date Conducted: 02nd March 2024

Name and designation of the resource person: S.SrinivasaRao, APSSDC, DSDO

Report on the guest lecture:

Objectives:

The main objectives of National Voters' Day are to:
Encourage newly eligible voters to participate in the electoral process. This is done by registering to vote and exercising their right to vote. Raise awareness about the importance of voting. Awareness of its role in the development of the country. Educate voters about the electoral process. This includes voter registration, polling, and counting. Promote electoral participation among women, minorities & other marginalized communities. Recognize and felicitate outstanding performers. It can be in the field of election management and conduct.

Notes on lecture:

National Voters' Day holds immense importance in India in the following ways:
- It aims to create awareness among citizens regarding the following:
- The electoral process
- The importance of voting.
- The day encourages people to participate in the democratic process & exercise their right to vote.
- It also emphasizes the significance of free and fair elections. This is essential for a healthy democracy.
- The National Voters' Day celebration helps in fostering electoral accountability and transparency.
- It enables the Election Commission to connect with the citizens.
- It ensures their participation in the electoral process.
- The day also provides an opportunity to recognize the efforts of election officials. Also, recognize the efforts of stakeholders involved in conducting elections smoothly.
- Moreover, it serves as a reminder to the youth and first-time voters.
- They are a crucial part of the democratic process.
- Their participation can bring about significant change in the country.
- National Voters' Day also aims to increase voter participation among marginalized & underrepresented groups. They are women, youth, and differently-abled persons.

Outcome:

National Voters' Day is an important day for the people of India. It serves as a reminder of the critical role we all play in shaping the future of our country. For us, this day is an excellent opportunity. It reflects on the significance of democracy, the electoral process, and the Constitution of India. And also to gain a deeper insight into these critical topics.

Signature of the HOD

(T. Naga Prasada Rao)

A.G & S.G Siddhartha Degree College for Arts & Science (Autonomous), Vuyyuru-521165

➤ **2023-2024**

Name of the event: Guest Lecture

Topic: Empowering Student Skills & Development

Date Conducted: 26th April 2024

Name and designation of the resource person: Dr.E.Murali Krishna, Assistant Professor, Department of Computer Science, SRM College, Vijayawada.

Report on the guest lecture:

Objectives:

- **Fostering Independence**: Encouraging students to take ownership of their learning process, develop critical thinking skills, and become self-directed learners.

- **Building Confidence**: Providing opportunities for students to succeed, receive constructive feedback, and overcome challenges, thus boosting their confidence in their abilities.

- **Promoting Lifelong Learning**: Instilling a love for learning and curiosity that extends beyond the classroom, equipping students with the skills and mindset necessary for continuous personal and professional growth.

- **Developing Transferable Skills**: Offering experiences that cultivate skills such as communication, collaboration, problem-solving, creativity, and adaptability, which are valuable in various academic, professional, and social contexts.

- **Cultivating Resilience**: Teaching students how to persevere in the face of setbacks, learn from failures, and develop resilience to navigate obstacles they encounter in their academic and personal lives.

Notes on lecture:

The Significance of Leadership Skills:
Leadership skills are not limited to those in positions of authority; they are essential for success in various aspects of life. Strong leadership skills enable students to become effective communicators, problem solvers, and collaborators. It empowers them to take initiative, make sound decisions, and inspire others. Universities and employers highly value these skills, indicating an individual's ability to take on responsibilities and drive positive change.

Outcome:

By empowering students, we are giving them the tools and confidence to become independent and motivated learners who can navigate and succeed in the ever-changing world.

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