

2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.

Today, it is essential for the students to learn and master the latest technologies in order to be corporate ready. As a consequence, teachers are combining technology with traditional mode of instruction to engage students in long term learning. College uses Information and Communication Technology (ICT) in education to support, enhance, and optimize the delivery of education.

The following tools are used by the Institute-

ICT Tools:

- 1. Projectors- 25 projectors are available in different classrooms/labs
- 2. Desktop and Laptops- Arranged at Computer Lab and Faculty cabins all over the campus.
- 3. Printers- They are installed at Labs, HOD Cabins and all prominent places.
- 4. Photocopier machines Multifunction printers are available at all prominent places in theinstitute. There are four photostat machines available in campus.
- 5. Scanners- Multifunction printers are available at all prominent places.
- 6. Seminar Rooms- Three seminar halls are equipped with all digital facilities.
- 7. Smart Board- One smart board is installed in the campus.
- 8. Auditorium- It is digitally equipped with mike, projector, cameras and computer system.
- 9. Online Classes through Zoom, Google Meet, Microsoft Team, Google Classroom)
- 10. MOOC Platform (NPTEL, Coursera, SAP, Udemy, Edx etc)
- 11. Digital Library resources (DEL NET, MYLOFT etc)

Use of ICT By Faculty-

- A. **PowerPoint presentations** Faculties are encouraged to use power-point presentations in their teaching by using LCD's and projectors. They are also equipped by digital library, online search engines and websites to prepare effective presentations.
- B. **Industry Connect** Seminar and Conference room are digitally equipped where guest lectures, expert talks and various competitions are regularly organized for students.

- C. Online quiz- Faculties prepare online quiz for students after the completion of each unit with the help of GOOGLE FORMS.
- D. Video Conferencing- Students are counseled with the help of Zoom / Google meet applications.
- E. Video lecture- Recording of video lectures is made available to students for long termlearning and future referencing.
- F. Online competitions- Various technical events and management events such as Poster making, Ad-mad show, Project presentations, Business quiz, Debates, paper presentations etc. are being organized with the help of various Information Communication Tools.
- G. Workshops- Teachers use various ICT tools for conducting workshops on latest methods such as SPSS, Programming languages, simulations etc.

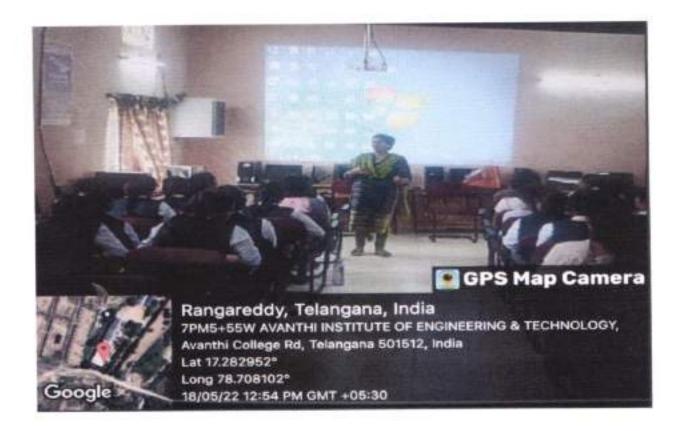
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Workshop on Intellectual Property Rights

Details of the Resource Person: Dr. Sapana Singh, Associate Professor, University of HYD

No. of Participants: 86



Dr. Sapana Singh, Associate Professor, University of HYD

Explaining about Intellectual Property Rights

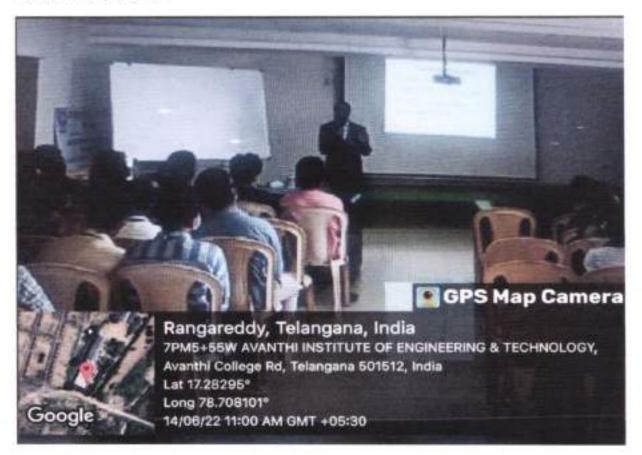
A Four-day workshop on "Intellectual Property Rights" has been organized by the Department of MBA, Avanthi Institute of Engineering and Technology. Guntapally, from 18-05-2022 to 21-05-2022. Dr. Sapana Singh has discussed regarding One area can be characterized as the protection of distinctive signs, in particular trademarks (which distinguish the goods or services of one undertaking from those of other undertakings) and geographical indications (which identify a good as originating in a place where a given characteristic of the good is essentially attributable to its geographicalorigin). The protection of such distinctive signs aims to stimulate and ensure fair competition and to protect consumers, by enabling them to make informed choices between various goods and services. The protection may last indefinitely, provided the sign in question continues to be distinctive.



Workshop on Entrepreneurship skill set

Details of the Resource Person: Mr V.Krishna Prasad CEO. Cito Health care Pvt Ltd

No. of Participants: 98



Mr V.Krishna Prasad CEO, Cito Health care Pvt Ltd

Explaining about Entrepreneurship skill set

A Five-day workshop on "Entrepreneurship skill set" has been organized by the Department of MBA, Avanthi Institute of Engineering and Technology, Guntapally, from 14-06-2022 to 18-06-2022. Mr V.Krishna Prasad has discussed An entrepreneur refers to someone who builds or operates their own business. By having an equity stake in the firm, the entrepreneur can enjoy a great deal of profit if things go well; but they also take on a great deal of risk far more than a regular employee of the business. This entrepreneurial risk can take several forms, including financial risk, career risk, emotional risk, or overall business risk.Since there is so much at stake when it comes to starting and growing a successful business, there are very specific skills that an entrepreneur usually needs to be successful. Below, we highlight five such attributes.



Workshop on Research Methodology

Details of the Resource Person: Dr. Suryanarayana Alamuri, Professor, Osmania University

No. of Participants: 80



Dr. Suryanarayana Alamuri, Professor, Osmania University Explaining about Research Methodology

A Four-day workshop on "Research Methodology" has been organized by the Department of MBA, Avanthi Institute of Engineering and Technology, Guntapally, from 20-07-2022 to 23-07-2022. Dr. Suryanarayana Alamuri has discussed according to Somekh and Lewin (2005), a research <u>methodology</u> is both "the collection of methods or rules" you apply to your research, as well as the "principles, theories, and values" that support your research approach. Simply put, a research paper's methodology section must shed light on how you were able to collect or generate your research data and demonstrate how you analyze them (SHU Library, 2020).For novice researchers, writing the methodology of a research paper can be an overwhelming process, especially considering the intricate elements covered by this section (J. Ellis & Levy, 2009, p. 323). The goal of this article is to define what is research methodology. guide novice researchers in their research methodology writing, and to help them gain a clear understanding of a research methodology's structure of Engine & Technology. Research were the structure of Engine & Technology.



Workshop on Entrepreneurial Skills in the Workplace

Details of the Resource Person: Mr.D. Muralidhra CEO & Director, C.A.M.E.L.



Mr.D.Muralidhra CEO & Director, C.A.M.E.L

Explaining about Entrepreneurial Skills in the Workplace

A Three-day workshop on "Entrepreneurial Skills in the Workplace" has been organized by the Department of MBA, Avanthi Institute of Engineering and Technology, Guntapally, from 11/07/2022 to 13/07/2022. Mr.D.Muralidhra has discussed Entrepreneurial skills encompass a wide range of competencies, including leadership skills, networking, business planning, marketing skills, sales techniques, and more. Because you can apply entrepreneurial skills to any field, job role, and industry. Together, developing entrepreneurial skills form the cornerstone of any successful entrepreneur's toolkit, which provides the foundation for innovation, growth, and success. In this competitive business landscape, whether you are starting a new venture or driving growth in a current one, having a strong entrepreneurial skill set is a key determinant of long-term success and financial stability.

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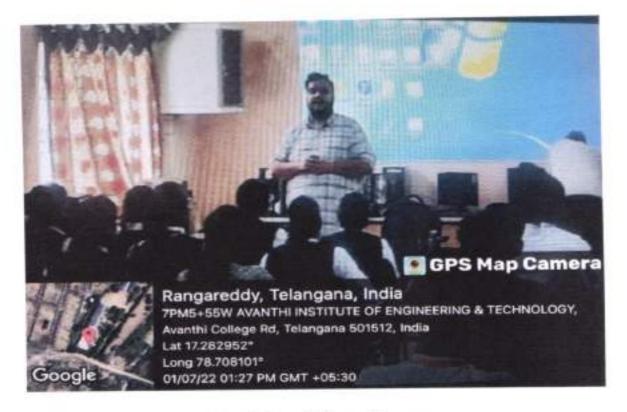
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Workshop on Business Management Skills

Details of the Resource Person: Bhavesh Tiwari, Cluster Manager

No. of Participants: 28



Bhavesh Tiwari, Cluster Manager

Explaining about Business Management Skills

A Three-day workshop on "Business Management Skills" has been organized by the Department of MBA, Avanthi Institute of Engineering and Technology, Guntapally, from 01/07/2022 to 03/07/2022. Bhavesh Tiwari has discussed Communication, Management & Leadership, Financial Intelligence, information Technology, Critical Thinking & Problem-Solving, Creativity and Innovation. While many of these skills can be learned through professional experience, and are often refined on the job, it can be beneficial to get a credential in the business management field to help you develop your foundational skillset, prove your competencies to future employers. A business management bachelor's degree is a great way to build core business acumen, as well as other key business management skills and critical soft skills, and find an area of expertise that will help deepen and underenate your knowledge.



Workshop on Communication and Listening

Details of the Resource Person: Dr Chetan Srivastava, Assoc Professor, University of HYD



Dr Chetan Srivastava, Assoc Professor, University of HYD

Explaining about Communication and Listening

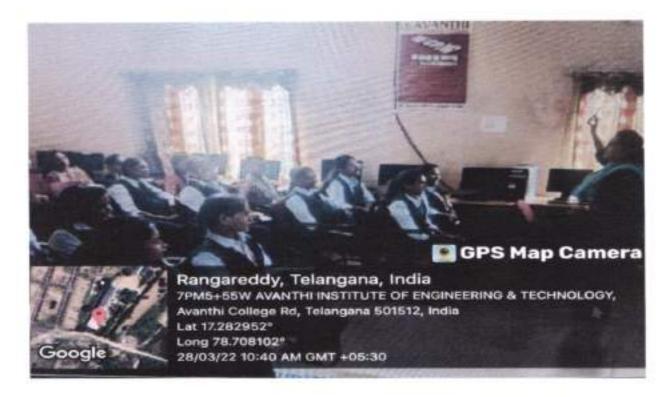
A Six-day workshop on "**Communication and Listening**" has been organized by the Department of MBA, Avanthi Institute of Engineering and Technology, Guntapally, from 01/07/2022 to 03/07/2022. Dr Chetan Srivastava has discussed When establishing a mentoring relationship, it is important to create a comfortable communication environment. This can be done by using the theory of reciprocity. Following this theory enables mentors to control the flow and direction of a conversation by the rate at which information is revealed. For example, if the mentor reveals something about him- or herself, the mentee would likely respond by revealing the same sort of information. This pattern tends to repeat. If at some point the mentee does not respond in kind, the pattern of the conversation should be redirected to make the mentee feel more comfortable. This type of interaction pattern festers the development of trust in the mentoring relationship.



Workshop on Strategic Thinking and Planning Skills

Details of the Resource Person: Ms Sandhya MS, Advocate

No. of Participants: 42



Ms Sandhya MS, Advocate

Explaining about Strategic Thinking and Planning Skills

A Four-day workshop on "Strategic Thinking and Planning Skills" has been organized by the Department of MBA, Avanthi Institute of Engineering and Technology, Guntapally, from 28/03/2022 to 31/03/2022. Ms Sandhya MS has discussed Strategic thinking skills are any skills that enable you to use critical thinking to solve complex problems and plan for the future. These skills are essential to accomplish business objectives, overcome obstacles, and address challenges—particularly if they're projected to take weeks, months, or even years to achieve. Analytical skills, Communication skills, Problem-solving skills, Planning and management skills. Strategic thinking skills are developed by committing to constant learning and selfimprovement. Whether it's learning from their own experiences, the experiences of others, books, presentations, networks, conferences or junior colleagues, strategic thinkers don't dismiss any potential sources of education.



Seminar on Introduction to lot

Details of the Resource Person: Mr. B.Jabber, Assistant Professor, KL University

No. of Participants: 40



Mr. B.Jabber, Assistant Professor, KL University

Explaining about Introduction To lot

A Two-day Seminar on "Introduction To lot" has been organized by the Department of CSE, Avanthi Institute of Engineering and Technology, Guntapally, from 15/09/2021 to 16/09/2021. Mr. B. Jabber has discussed IoT stands for Internet of Things. It refers to the interconnectedness of physical devices, such as appliances and vehicles, that are embedded with software, sensors, and connectivity which enables these objects to connect and exchange data. This technology allows for the collection and sharing of data from a vast network of devices, creating opportunities for more efficient and automated systems. Internet of Things (IoT) is the networking of physical objects that contain electronics embedded within their architecture in order to communicate and sense interactions amongst each other or with respect to the external environment. In the upcoming years, IoT-based technology will offer advanced levels of services and practically change the way people@lead their daily lives.

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Workshop on Amazon Web Services (Aws)

Details of the Resource Person: Ms.M.Sunitha, Chaithanya Bharathi.

No. of Participants: 50



Ms.M.Sunitha, Chaithanya Bharathi

Explaining about Amazon Web Services (Aws)

A Three-day workshop on "Amazon Web Services (Aws)" has been organized by the Department of CSE, Avanthi Institute of Engineering and Technology, Guntapally, from 25/11/2021 to 27/11/2021. Ms.M.Sunitha has discussed Amazon Web Services, Inc. (AWS) is a subsidiary of Amazon that provides on-demand cloud computing platforms and APIs to individuals, companies, and governments, on a metered, pay-as-you-go basis. Oftentimes, clients will use this in combination with autoscaling (a process that allows a client to use more computing in times of high application usage, and then scale down to reduce costs when there is less traffic). These cloud computing web services provide various services related to networking, compute, storage, middleware, IoT and other processing capacity, as well as software tools via AWS server farms. This frees clients from managing, scaling, and patching hardware and operating systems. AWS services are delivered to customers via a NVentry Induction of Critical S.R. 10 network of AWS server farms located throughout the world. -

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Workshop on Teamwork And Leadership Skills

Details of the Resource Person: Geeta Mallikarjunan, Marketing Professional

No. of Participants: 52



Geeta Mallikarjunan, Marketing Professional

Explaining about Teamwork And Leadership Skills

A Three-day workshop on "Teamwork And Leadership Skills" has been organized by the Department of MBA, Avanthi Institute of Engineering and Technology, Guntapally, from 02/12/2021 to 04/12/2021. Geeta Mallikarjunan has discussed Teamwork is a compound word, combining team and work. Teams are a form of group normally dedicated to production or problem solving. That leaves us with the work. This is where our previous example on problem solving can serve us well. Each member of the team has skills, talents, experience, and education. Each is expected to contribute. Work is the activity, and while it may be fun or engaging, it also requires effort and commitment, as there is a schedule for production with individual and group responsibilities. Each member must full fill his or her own obligations for the team to succeed, and the team, like a chain, is only as strong as its weakest member. In this context we don't measure strength or weakness at the gym, but in terms of productivity of Gastreph (V), Podagana (UA),

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Seminar on Software testing Techniques

Details of the Resource Person: Dr.P.Srinivas, Professor CSE

No. of Participants: 58



Dr.P.Srinivas, Professor CSE

Explaining about Software testing Techniques

A Two-day Seminar on "Software testing Techniques" has been organized by the Department of CSE, Avanthi Institute of Engineering and Technology, Guntapally, from 27/12/2021 to 28/12/2021. Dr.P.Srinivas has discussed Software testing techniques are the ways employed to test the application under test against the functional or non-functional requirements gathered from business. Each testing technique helps to find a specific type of defect. For example, Techniques which may find structural defects might not be able to find the defects against the end-to-end business flow. Hence, multiple testing techniques which are used to find defects in Application under test without executing the code. Static Testing is done to avoid errors at an early stage of the development of the advected of fixing them.



Workshop on Advanced VLSI Design Tools

Details of the Resource Person: E.Bharath Babu, BVRIT

No. of Participants: 34



E.Bharath Babu, BVRIT

Explaining about Advanced VLSI Design Tools

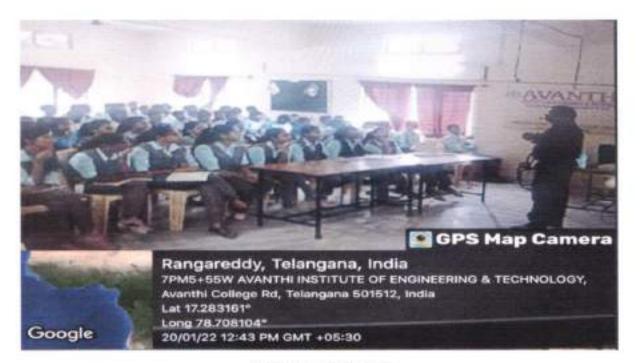
A Three-day workshop on "Advanced VLSI Design Tools" has been organized by the Department of ECE, Avanthi Institute of Engineering and Technology, Guntapally, from 17/01/2022 to 19/01/2022. E.Bharath Babu has discussed VLSI Technology, Inc., was an American company that designed and manufactured custom and semi-custom integrated circuits (ICs). The company was based in Silicon Valley, with headquarters at 1109 McKay Drive in San Jose. Along with LSI Logic, VLSI Technology defined the leading edge of the application-specific integrated circuit (ASIC) business, which accelerated the push of powerful embedded systems into affordable products.Initially the company often referred to itself as "VTI" (for VLSI Technology Inc.), and adopted a distinctive "VTI" logo. But it was forced to drop that designation in the mid-1980s because of a trademark conflict.VLSI was acquired in June 1999, for about \$1 billion, by Philips Electronics and K today a part of the Philips spin-off NXP Semiconductors.



Workshop on Advanced Python Programing

Details of the Resource Person: Mr.R.Ravinder Reddy

No. of Participants: 34



Mr.R.Ravinder Reddy

Explaining about Advanced Python Programing

A Three-day workshop on "Advanced Python Programing" has been organized by the Department of CSE, Avanthi Institute of Engineering and Technology, Guntapally, from 20/01/2022 to 22/01/2022. E.Bharath Babu has discussed Python is a high-level, general-purpose programming language. Its design philosophy emphasizes code readability with the use of significant indentation. Python is dynamically typed and garbage-collected. It supports multiple programming paradigms, including structured (particularly procedural), object-oriented and functional programming. It is often described as a "batteries included" language due to its comprehensive standard library. Python is a multi-paradigm programming language. Object-oriented programming and structured programming are fully supported, and many of their features support functional programming and aspect-oriented programming (including metaprogramming and metaobjects). Many other paradigms are supported via extensions, including design by contract and logic programming.

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Workshop on Time Management and Organizational Skills

Details of the Resource Person: Prof. V. Venkata Ramana, Vice-Chairman(UOH)

No. of Participants: 53



Prof. V. Venkata Ramana, Vice-Chairman(UOH)

Explaining about Time Management and Organizational Skills

A Three-day workshop on "Time Management and Organizational Skills" has been organized by the Department of MBA, Avanthi Institute of Engineering and Technology. Guntapally, from 11/11/2021 to 13/11/2021. Prof. V. Venkata Ramana has discussed Time management is the method of planning and balancing your time between different activities. Good time management helps you to complete a given task in a specific time frame amidst challenges and tight schedules. When you manage your schedule and deadlines, strong time management skills help you better your reputation and move ahead in the workplace. Time management skills are those that help you use your time effectively and achieve desired results. These can help you allocate your time properly and accomplish tasks efficiently. Staying organised helps you to keep track of your responsibilities and priorities, like what you need to do first and when to do the rest of it. An organised list of tasks actions a map to guide you from morning to evening and helps increase your productivity.

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Workshop on Branding, Marketing, And Networking Skills

Details of the Resource Person: Sivaram Tekuru, Business Consulting

No. of Participants: 31



Sivaram Tekuru, Business Consulting Explaining about Branding, Marketing, And Networking Skills

A Five-day workshop on "Branding, Marketing, And Networking Skills" has been organized by the Department of MBA, Avanthi Institute of Engineering and Technology, Guntapally, from 20/10/2021 to 24/10/2021. Sivaram Tekuru has discussed Networking is about building relationships and connections in a purposeful, organized way. Learning how to build and create connections requires time and effort and it is important to your career development and success. Through networking you can learn about career opportunities, specific organizations, industries and fields. Professionals already working in the fields that interest youcan offer specific inside views that can't be duplicated. They can also connect you to individuals in their network who can provide additional assistance. Business cards - Use free web services, print them at home or create handmade ones. Design a card or several with different emphasis (e.g. one with a school library bent, one with a special libraries focus, etc? A near idea: list your projects, volunteerships, interests or areas of expertise on the back of the card. Be sure to leave blank space Avanthi Institute of Engg. & Tech. for people to make notes

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Workshop On MATLAB Tool

Details of the Resource Person: Mr.B.Naresh, BVRIT

No. of Participants: 38



Mr.B.Naresh, BVRIT

Explaining about Matlab Tool

A Four-day workshop on "Matlab Tool" has been organized by the Department of ECE, Avanthi Institute of Engineering and Technology, Guntapally, from 24-08-2022 to 27-08-2022. Mr.B.Naresh, BVRIT has discussed MATLAB is a proprietary multi-paradigm programming language and numeric computing environment developed by MathWorks. MATLAB allows matrix manipulations, plotting of functions and data, implementation of algorithms, creation of user interfaces, and interfacing with programs written in other languages. Although MATLAB is intended primarily for numeric computing, an optional toolbox uses the MuPAD symbolic engine allowing access to symbolic computing abilities. An additional package, Simulink, adds graphical multi-domain and model-based simulation design for dynamic and embedded systems. As of 2020, MATLAB has more than 4 million users worldwide. They come from various backgrounds Aff engineering, science, Avanthi Institute of Engg. & Techand economics. Gentrepaly (M), Assurances (US), R.R. Dat



Workshop on Opportunities For Design Professionals Post COVID 19

Details of the Resource Person: BK Dr.Srilatha, Hyderabad

No. of Participants: 49



BK Dr.Srilatha, Hyderabad

Explaining about Opportunities for Design Professionals Post COVID 19

A Three-day workshop on "Opportunities For Design Professionals Post COVID 19" has been organized by the Department of MBA, Avanthi Institute of Engineering and Technology. Guntapally, from 14/08/2021 to 16/08/2021, BK Dr. Srilatha has discussed It's been more than 3 months since the WHO declares COVID-19 as a global pandemic. In April 2020, the UN labour agency said cutbacks equivalent to nearly 200 million full-time workers are expected in just three-month time. According to the agency, retail and wholesale sectors have seen impacted most with 482 million workers affected. Meanwhile, other industries such as manufacturing, Avanthi Institute of English (R. Dal Guterren (R. Dalament Ma) (R. Dal business. services s. administration. food accommodation and / arc seeing 463 million, 157 million, and 144 million jobs affected, respectivelye, Tech



Workshop on Placement Eligibility Test

Details of the Resource Person: Ms. A. Santosh Kumari, Professor, JNTU-HYD

No. of Participants: 253



Ms. A. Santosh Kumari, Professor, JNTU-HYD

Explaining about Placement Eligibility Test

A Three-day workshop on "Placement Eligibility Test" has been organized by the Department of MBA, Avanthi Institute of Engineering and Technology, Guntapally, from 23/09/2021 to 25/09/2021. Ms. A. Santosh Kumari has discussed Placement testing is a practice that many colleges and universities use to assess college readiness and determine which classes a student should initially take. Since most two-year colleges have open, non-competitive admissions policies, many students are admitted without college-level academic qualifications. Placement tests assess abilities in English, mathematics and reading; they may also be used in other disciplines such as foreign languages, computer and internet technologies, health and natural sciences. The goal is to offer low-scoring students' remedial coursework to prepare them for regular coursework. Less-prepared students are placed into various remedial situations, from adult basic education through various levels of developmental college courses.



Workshop on Soft skill Training

Details of the Resource Person: Prof. M L Sai Kumar, Public Enterprise

No. of Participants: 180



Prof. M L Sai Kumar, Public Enterprise

Explaining about Soft skill Training

A Three-day workshop on "Soft skill Training" has been organized by the Department of MBA, Avanthi Institute of Engineering and Technology, Guntapally, from 04/10/2021 to 06/10/2021. Prof. M L Sai Kumar has discussed Soft Skills are personal attributes, personality traits, inherent social cues, and communication abilities needed for success on the job and how a person interacts in his or her relationships with others. Soft Skills include adaptability, attitude, communication, creative thinking, work ethic, teamwork, networking, decision making, positivity, time management, motivation, flexibility, problem-solving, critical thinking, and conflict resolution. **Resume Building Training** - Through our resume-building session, our students are able to get an insight into key areas, concerns, and sections that modern recruiters and hiring managers care the most about. The key points covered under this session are.Drafting error-free CVs/ Resumes and Cover Letters,Selecting the ideal format foottent drafting along with sequencing,Art of representing one's qualifications and most relevance with history.



Workshop on How To Write A Research Paper

Details of the Resource Person: Dr. Sindhu MBA. Ph.D

No. of Participants: 46



Dr. Sindhu MBA. Ph.D. in Business Management from Osmania University, Hyderabad

Explaining about How To Write A Research Paper

A Three-day workshop on "How To Write A Research Paper" has been organized by the Department of MBA, Avanthi Institute of Engineering and Technology, Guntapally, from 15/11/2021 to17/11/2021 Dr. Sindhu has discussed A research paper is a piece of academic writing that provides analysis, interpretation, and argument based on in-depth independent research. Research papers are similar to academic essays, but they are usually longer and more detailed assignments, designed to assess not only your writing skills but also your skills in scholarly research. Writing a research paper requires you to demonstrate a strong knowledge of your topic, engage with a variety of sources, and make an original contribution to the debate. This step-by-step guide takes you through the entire writing process, from understanding your assignment to proofreading your final draft. There are many ways to generate an idea for a research paper, from brainstorming with pen and paper to taking it through with a fellow student or professor.