

St. Ann's College for Women

(Autonomous), Affiliated to Osmania University
Accredited by NAAC with A⁺ Grade (3rd cycle), CPE by UGC
Mehdipatnam, Hyderabad.



CRITERION V

STUDENT SUPPORT AND PROGRESSION

5.1.3

Capacity Development and skill enhancement Activities

Awareness of Trends in Technology



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Awareness of Trends in Technology.

2022-2023

S.no	Name of the capability enhancement program	Date of implementation	Number of Students Enrolled	Name of the agencies/experts involved with details if any
1	Awareness and enrollment program on NPTEL-UGC-SW AYAM program	10-05-2022	386	Dr. Sarala head, department of physics & electronics. Ph. No:7032393763
2	Awareness cum training program on using Virtual Labs	10-05-2022	800	Dr. Sarala head department of physics & electronics. Ph.no:7032393763
3	Anybody can code	15-06-2022	256	Mr. Meraj faheem, founder & ceo, code for india foundation
4	Career in accounting And finance using tally By quantum learning.	04-07-2022 to 10-07-2022	59	Dr. Keerthi, Head Department Of Business Management, Ph.No:9703173610
5	An international guest lecture on "student readiness for industry 4.0"	05-07-2022	82	Dr. Ravi Seethamraju, Professor, Discipline of Accounting, The University of Sydney ,Australia.
6	Two Week Workshop On "Bioinformatics Tools And Software	08-08-2022 to 20-08-2022	33	Ms.swetha Jha Ph No:9985065518



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7	3-day international Conference in virtual mode on "emerging technologies in science, commerce and Engineering".	14-09-2022 to-16-09-2022		Mrs. Nanadini, Head Department Of Computer Science, Ph.No:9963982070
8	Awaerness session on "Strenghtenin your Cyber defenses"	30-11-2022	111	Mr.K.V.M. Prasad ACP Cyber Crime Hyderabad Ph.No:8106828882(Pushpa,HoD, Dept of Comp.Sci)
9	Field trip to edventure park and code for india	10-12-2022	100	Ms. Rajeshwari, Asst Prof, Department Of Computer Science Ph No:8019159580
10	International Student Enrichment Program On "Digital Transformation - Risks And Opportunities In Managing Businesses"	12-12-2022	118	Dr. Ravi Seethamraju, Associate Professor, The Discipline Of Accounting, Business School, The University Of Sydney, Australia
11	Robotics: iot application	12-01-2023	100	Dr.Y.Seetha Mahalkshmi, Asst Prof, Department Of Physics, St Anns College, ph.No:9866681587
12	2-day workshop on website development- full stack	08-03-2023	67	Mrs. Nandini, Head Department Of Computer Science, Ph.No:9963982070
13	Memory management in	11-03-2023	136	Mrs. Nanadini, Head Department Of Computer Science, Ph.No:9963982070

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	Operating systems"			
14	Workshop on molecular docking and drug designing	16-03-2023	28	Ms.Shailaja, Head, Department Of Bio Chemistry,Ph.No:9849174742
15	Workshop on sds-page	24-03-2023	28	Ms.Shailaja, Head, Department Of Bio Chemistry,Ph.No:9849174742
16	2 day workshop on elisa technique	27-12-2022 &28-12-2022	4	Ms.Shailaja, Head, Department Of Bio Chemistry,Ph.No:9849174742

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Awareness and enrollment program on NPTEL-UGC-SWAYAM program and Virtual labs

Report

Name of the department	ICT centre
Title of the event	Virtual labs
Date	Online meeting during may 2022
Venue	Online
Target group	Science students
No of student/ no. Of faculty participants	800



Ref No: VL/NC Appointment

Date: 28/03/2023

To,
The Principal,
St. Ann's College for Women,
Mehdiapatnam, Hyderabad,
Telangana-500044

Sub: Virtual Lab's Nodal Centre Appointment

With reference to your Expression of Interest for Virtual Labs dated 25.03.2023, it gives me immense pleasure to designate your college as a Nodal Centre for Virtual Labs in Telangana. As nominated by you, Dr.D.Sarala has been accepted to act as the Nodal Coordinator from your college. This approval is valid up to 31st December 2023 subject to the following Terms and Conditions and any subsequent directives as issued by MHRD from time to time:

1. Approved status of AICTE/STEB/UGC is mandatory for your college.
2. The necessary infrastructure (dedicated space having personal computers with 1 Mbps broadband internet connectivity) to be maintained at your own cost for Virtual Labs.
3. Nodal centres will get operational, technical support as given below.
4. The target is 8000 usages and proposal for 2 experiment development.
5. A semester wise monthly target and achievement plan will be submitted to Vlabs.
6. Each Nodal centre will organize at least one workshop per semester as an outreach activity of Virtual Labs.
7. Students are not to be charged any extra fee for providing Virtual Labs facility for their usage.
8. The usages are to be entered into the outreach portal for them to be accounted under your Nodal Center. This is a necessary condition for meeting your target.
9. Nodal Coordinator should attend the meeting held at IIIT Hyderabad, as per schedule and a semester wise report of Vlabs usage and feedbacks by the faculty members and students should be submitted as required. Usages and other workshop activity shall be reported on a monthly basis.
10. Strict adherence to the standard lab procedures and cybersecurity laws need to be followed.
11. Any violation of the above will result in automatic cancellation of Nodal Centre status for your college without giving any notice.

Kindly acknowledge the receipt of this letter and the acceptance of the Terms & Conditions mentioned above.

We thank you again for your interest in the Virtual Labs project and appreciate your endeavour in the service of the student community. Wish you all the best!

Thank You,

Sincerely,


Dr. Venkatesh Choppella
Principal Investigator, Virtual Labs Project
IIIT Hyderabad – 500032
www.iiit.ac.in

Virtual Labs, International Institute of Information Technology, Gachibowli, Hyderabad 500 032, Telangana, INDIA

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Name of the department	Ict centre
Title of the event	NPTEL Awareness
Date	Online meeting during may 2022
Venue	Online
Target group	Science students
No of student/ no. Of faculty participants	386


Head of the Department
Physics & Electronics
St. Ann's College for Women
Mehdiapatnam, Hyd-2*



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Session on "Anybody can Code"

Report

DATE: 3 JANUARY 2022

TIME: 1:30 - 2:10 PM

Target Audience: UG & PG Students

No. of Registrations: 256

Resource Person: Mr Meraj Faheem, Founder & CEO, Code for India Foundation

St. Ann's Computer Science Department organized an info session on "Anybody can Code" on the 3rd of January 2023 from 1.30 p.m. to 2.10 p. m. The resource person for the session was Mr Meraj Faheem, Founder & CEO of Code for India Foundation, Founder of The Hacking School, CEO of code.in and CEO of fee.app.

Objective of the Session: The idea behind organizing the info session was:

- To highlight the high demand and value of coding in the workforce.
- To inspire and motivate young individuals in India to recognize the benefits of coding, such as enhancing critical thinking, problem-solving and creativity.
- To announce the launch of Code Club at St. Ann's College for Women

The info session started with a warm welcome to the dignitaries, faculty and participants by the host Tahera Zulfeqar, a student of BSc. MSDS (Second Year) and a Core Team Member at Code for India Foundation. The resource person and the guests - Mr Meraj Faheem, Mr Adnan Ali Khan and Mr Akhil Teja were then presented with green greetings of saplings. Mr. Meraj Faheem, the resource person, was introduced to the audience by the host, as was the topic of the session. This marked the start of the session. At the start of his speech, Mr. Meraj establishes the goals of his talk and emphasizes the importance of coding for the young people of India. He explains that coding is a valuable skill that can give individuals a competitive edge in their careers. He also stresses that coding is not just for those interested in computer programming, but for anyone who is eager to learn and has the drive to explore it. Coding helps to develop problem-solving skills and allows one to think creatively and logically. It also



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enhances thinking ability and enables one to think strategically and analytically. Through coding, one can create world-class products and solutions to real-life problems. The second half of the session was focused on walking through what Code Club is. It is an initiative by Code for India Foundation and led by students from various departments of the college who will curate and engage a community of like-minded peers and explore the world of tech and innovations. The students are driven by their passion for coding and hunger to learn, which will help the club scale new heights. Through Code Club, the team invites 1 Software Developers from Google, Microsoft and other top tech companies and organises talks/sessions on what the tech industry looks for and how students can learn and develop personality and skills which will help them get into FAANG companies.

Feedback: The speakers were fervent. They drew a clear picture of each topic covered during the session. The information session was both witty and informative. The information session was interactive and answered many of the students' questions. The invitee sparked a renewed interest in coding. The overall goal of the information session was met.

Program Coordinators

1. Ms. K. Rajeswari, Faculty, Dept. of Computer Science.
2. Ms. Tahera Zulfeqar, BSc. MSDS - Second Year.



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International guest lecture on “Student readiness for industry 4.0”

Report

Date : 5 th July 2022

No of Participants:. 82

Target Group:MBA I & II year students benefitted from the session.

Resource person :Dr. Ravi Seethamraju associate professor, the University of Sydney business school, Australia

The main aim of the session was to make students industry ready.

The audience where imparted with effective use of technology and emotional intelligence in the coming years of the corporate world. Today the corporate world not only requires advance technology like artificial intelligence and block chain but also effective logical and emotional intelligence to analyze and take effective decision in corporate world.

**Qualities required by students ✓intelligence ✓ experimenting ✓self learning ✓language
✓ emotional intelligence ✓logical thinking the audience where imparted with effective use of the above discussed topics which would make them a corporate ready in coming years.**

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A Two week Online workshop on Bioinformatics Tools and Software's in association with Makeintern and E cell IIT Kharagpur

Report

Date : 8th- 20th Aug, 2022.

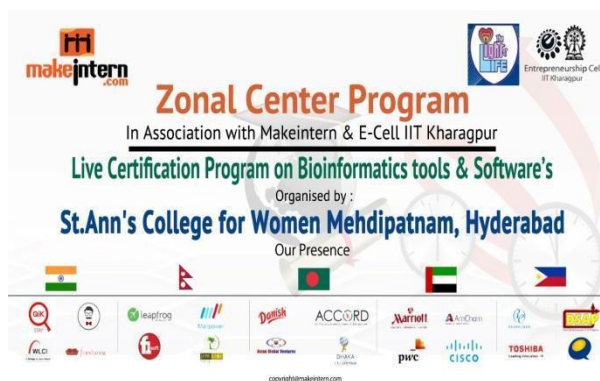
Venue : Online.

Target group: Student of all life sciences (BBC, GCM, GCZ students)

No of Student: 33

Resource person: Ms.Swetha Jha

Flyer



Objective :

The main objective of this workshop is to make students learn concepts of tools and softwares of computational Biology.

Summary :

Ms. Swetha Jha delivered an enlightening talk on Tools of Bioinformatics. It was an online event. She guided the students on aspects of computational biology like molecular modelling and drug discovery. Discussions were incredible with something new to learn. She explained Computational biology, which includes many aspects of bioinformatics and much more, is the science of using biological data to develop algorithms or models in order to understand biological systems and relationships. She used bioinformatics tools/softwares which helped the students understand the concept in a clear and easy way.

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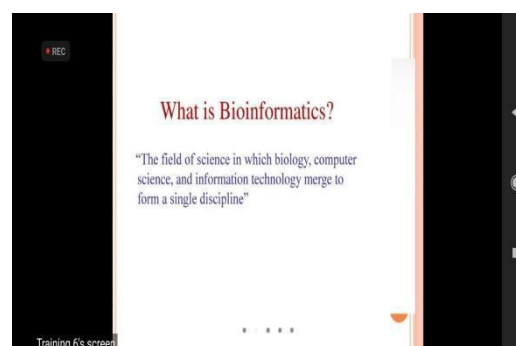
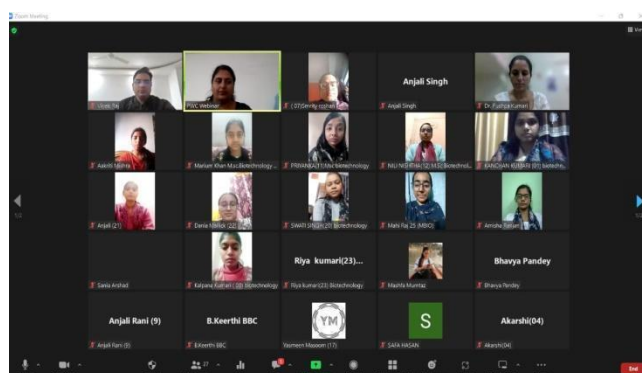
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In the end the students engaged in an interactive session discussing the various career opportunities available for science graduates.

Outcome:

Students have an insights on operation of tools and softwares , molecular modelling techniques and drug discovery.

Photographs



Feedback

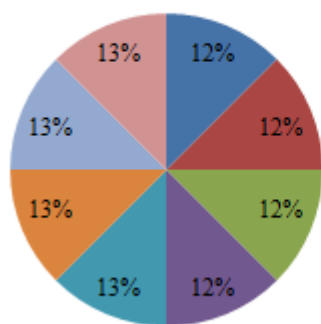
Participants feedback on “Workshop on Bioinformatics ”



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Feedback



- The workshop met its stated aim and objectives
- The workshop was scheduled at a suitable time
- The workshop location was appropriate and satisfactory
- The workshop facilities were appropriate and satisfactory
- The workshop was paced appropriately
- The presenters were well prepared
- The presenters responded to the questions in an informative, appropriate and satisfactory manner
- Overall the session was informative and valuable

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3-day International Conference in virtual mode on "Emerging technologies in Science, Commerce and Engineering".

Date: sept. 14th -16th 2022

Mode: online

Brochure and invitation

Day
1:

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Mehdiapatnam, Hyderabad - 500028

Invitation
International Conference
Emerging Technologies in Science, Commerce & Management

Date : 14th - 16th September 2022
Time: 5:00 - 7:00 PM IST

ZOOM Link: <https://bit.ly/3AXcGll>
Meeting ID: 823 6473 9899 Passcode: 447073

Day 1 - Inaugural Session
14th September 2022

<p>CHIEF PATRON</p> <p>DR. SR. P. AMRUTHA Principal St. Ann's College for Women, Hyderabad</p>	<p>CHIEF GUEST</p> <p>PROF. K. SHYAMALA Chairperson, BoS, CSE Dept, UCE, OU Director, Centre for Cyber Security & Cyber Law</p>	<p>GUEST OF HONOUR</p> <p>PROF. V APPA RAO Chairman, BoS (Commerce) Director, University Foreign Relations Office, OU</p>
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TECHNICAL SESSION 1

PROF. NARINA RINGO
Professor, Finance and Economics Institute,
North Eastern Federal University, Russia

TECHNICAL SESSION 2

DR. J. SATHEESH KUMAR
Associate Professor, Dept of Computer Applications
Bharathiar University, Coimbatore, Tamil Nadu.

Day 2 - Technical Sessions & Presentations
15th September 2022

<p>TECHNICAL SESSION 1</p> <p>COLONEL AMIT VATS Head of Department, Info Systems College of Defence Management Secunderabad</p> <p>CYBER SECURITY</p>	<p>TECHNICAL SESSION 2</p> <p>DR. AUGUSTINE GAVINI SAP Architect, Associate Director, Starwood Hotels Arizona, USA</p> <p>BLOCK CHAIN</p>	<p>PAPER PRESENTATIONS</p>
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Day 3 - Technical Sessions & Valedictory
16th September 2022

<p>TECHNICAL SESSION</p> <p>DR. A. PATRICK Associate Professor, Department of Commerce, OU</p> <p>CRYPTO CURRENCY</p>	<p>PAPER PRESENTATIONS</p>	<p>VALEDICTORY ADDRESS</p> <p>MR. SRIHARSHA WUDALI Vice President, Engineering Head, ATC-Newfold Digital India Operations</p>
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The international conference started in accordance to schedule with ms. Aparna welcoming all the distinguished guests, speakers and participants followed by as is the custom of the college prayer and virtual lamp lighting. The head of the dept. Ms. K.n. Nandini gave the preamble of the conference. Sr. Principal dr. Amrutha gave the welcome address which included the milestones achieved by our college and the importance of computer technology and its influence in the current world which was followed by mrs. Smitha asthana, dean and iqac coordinator addressing at the session. She spoke briefly the need and importance of continuous learning, about the innovations, research, and number of collaborative activities being taken up at our college.

The chief guest prof. K. Shyamala, chairperson, bos (university), cse department, university college of engineering, osmania university, director, centre for cyber security and cyber law. Was welcomed with green greetings.

The chief guest congratulated the department for organizing the conference and spoke about the challenges faced of the digital era namely cyber-attacks, data theft, information security, fake content being put up in social media, user behavior and so on and the research work being done in addressing the challenges and how all the participants can share views in the online mode.

Next the guest of honor- prof v. Appa rao was introduced and welcomed with green greeting. He congratulated the dept. Of computer science for organizing the conference.

Technical session i commenced with welcoming the speaker prof. Narina ringo, professor finance and economics institute, north eastern federal university, russia with green greetings.

Prof. Narina ringo then spoke about women empowerment, the industrial revolutions, challenging times, evolution and growth from steam engine times to the use of electricity, then to internet availability, iot and complicated cyber systems and so on, about the 4th industrial revolution, covid times and how it has evolved and gained importance and how technology has become an integral part of our life and programs in her university that are addressing these challenges at the global level.

Technical session ii commenced with dr. J. Satheesh kumar, associate professor, department of computer applications, school of cs & engineering, bharathiar university, coimbatore. Sir was welcomed with green greetings.



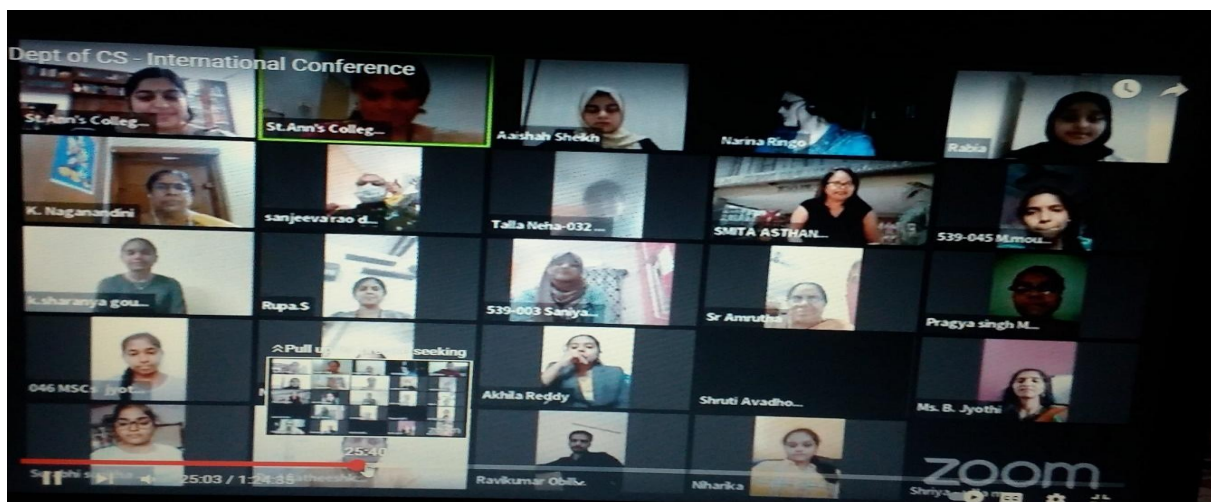
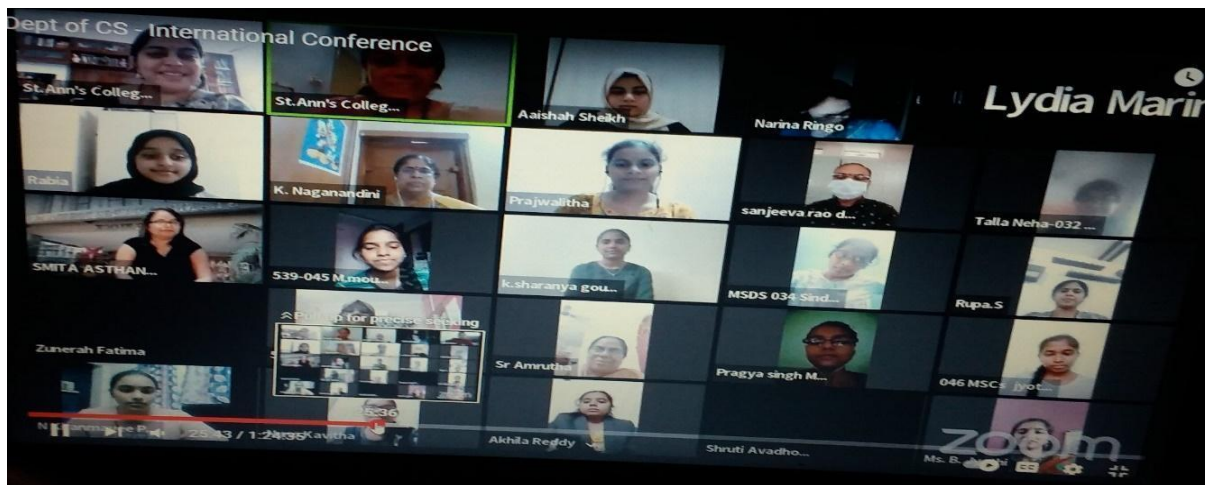
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Sir started from the term data and gravitated to more interesting facts related to technology. He spoke in detail about artificial intelligence and its research dimension, opportunities available in the computer science field.

This was followed by paper presentations by some of the faculty and students as scheduled for the day.

Snaps of the day





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Day2:

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The second day session began with prayer followed by welcoming the speaker for the technical session – i, dr. Augustine gavini. Dr. Augustine is a former professor of finance at osmania university for over 20 years. An academician, administrator & researcher turned information technology consultant. Sir was welcomed with green greetings. Ms. Rajeswari compeered for the day.

Dr. Augustine spoke about enterprise resource planning -an overview. He spoke about erp features and drivers, outcome of erps, sap as erp leader, business processes, rtr, ptp, etc, iot and future of erps

Technical session -ii followed with welcoming colonel amit vats who was the speaker for the session with green greetings. Colonel amit vats is the head, dept of information systems, college of defence management, secunderabad

He spoke about cyber security, trends in cyber-attacks, modus operandi, cyber kill chain, measures to improve cyber security and way forward. It was a very interesting session with sir sharing many incidents that have taken place and how they are done and how people have to be alert with fraudsters and precautions that should be taken. He gave lot of valuable inputs very useful to the participants and people in general.

This was followed by paper presentations by some more students and faculty mentioned for the day.

Day3:

Day3 began with prayer and the technical session by dr. A. Patrick who is associate professor, department of commerce, osmania university college of commerce and business management, osmania university. Sir was welcomed by green greetings.

Sir spoke about business analytics and business intelligence, comparison and differences, types, analytics journey, analytics in business support systems, trends, challenges and future and gave a lot of useful inputs for the participants.

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Valedictory session followed with ms. Kavitha compeering the session. Mr. Sriharsha wudali, vice president, head-engineering-atg -new fold digital operations was the guest of honour for the valedictory session. Mr. Sriharsha was welcomed with green greetings.

Mr. Sriharsha spoke at the session about marketing driven by digital transformation concepts of business and technology with practical examples, viewpoints for digital transformation, about skills needed which would help students to fetch jobs in industry, how they should be good learners and take charge of their careers and how preparation is important for success. He then addressed the queries by participants with a lot of patience and to their satisfaction.

Ms. Aparna gave a brief report of the conference and ms. Renuka proposed vote of thanks. Feedback from the participants was then taken. The participants gave very good feedback for the 3-day international conference that concluded on 16th sept.2022.



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Awareness Session on Strengthening your Cyber defences

Organised on International Cyber Security Day

Report

Date- November 30, 2022

Resource Person: Mr.K.V.M. Prasad,ACP Cyber Crime,Hyderabad

Computer Security Day on November 30th reminds us to protect our computers. Every day, computers become faster and more advanced. Protecting the resources, tools, and information on them protects the people who use them, too. In this digital world, where people are increasingly wired to social media and the internet, the concerns of cyber security, cyberbullying, and cyber hygiene are pertinent. The session started with the prayer as it is a link which connects us with the Almighty so here. ST.ANN'S COLLEGE FOR WOMEN, Department of MCA hosted an interactive session in the AV room by renowned Cyber Security Expert, Mr KVM Prasad ACP Cyber Crimes, Hyderabad Previously worked as DSP CID. As Inspector worked in Cyber Crimes for 3 and 1/2 years. For the last 3 years working as ACP, Cyber Crimes. Previously as Inspector worked in Santoshnagar and Nampally Police Stations. In the year 2010 deputed to work with the UN and worked for UNFICYP (United Nations Force In

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Cyprus) Participated in All India Police Duty Meets twice and bagged three silver medals. There is another guest MR. Gadam malleesh sir for the program

The session was also attended by the Sister. Dr. Principal mam, DR. Smitha asthana mam. DR. Meena pathangey mam, Dr. Nirmala Xavier mam attended the session and made it successful. Conducted in two phases where he interacted with the students, parents and staff separately. In the session, he interacted with the students and discussed about the trending apps and websites. The students were told about the legal aspects of accessing the internet like the legal age, ethics and rules of using social media and apps. The audience was introduced to various terminologies like Cyber Bullying, hacking, phishing, cloning, data theft, digital frauds and grooming. The difference between ethical hacking and hacking was clarified to the audience and the consequences of Digital Personification were told. Several case studies were shared with the audience and they were further sensitized towards privacy and security of data. Five values- Responsibility, Respect, Compassion, Resilience and Integrity were emphasised and the Cyber Laws of India were shared with the audience. The resource person demonstrated live hacking and made them aware of various ways like two-step verification, comment control, using a strong password, etc that they can adopt to avoid Cyber Crimes. He concluded the session by sharing some tips for internet banking and safe online transactions. He also shared the website for reporting Cyber Crimes. Women and children can report anonymously on www.cybercrime.gov.in. Internet is a technology, not a toy and we should harness it carefully. The Malleesh sir chief guest made a demo call so that students understood

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the process how to contact the police when it is an emergency. Your safety is in your hands. Stay alert, stay safe! The event was ended with the NATIONAL ANTHEM.



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DEPARTMENT OF MCA
Organizing

INTERNATIONAL CYBER SECURITY DAY

Awareness Session on Strengthening your Cyber defenses...

📅 10.00 AM | November 30, 2022
📍 AV Room, St. Ann's College for Women

**CYBER
SECURITY**

SESSION HIGHLIGHTS...

- *Poster Presentations on Cyber Crime*
- *Skits on Cyber Crime Awareness*
- *Cyber Security Awareness Videos*
- *Cyber Crime Awareness Facts*

YOU ARE INVITED



CHEIF GUEST:
Mr. K.V.M. Prasad
ACP - Cyber Crime
Hyderabad

**BYTE
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Computer Club

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T. Pushpa datta

Meas

Department of M.C.A.,

St. Ann's College for Women (PG Centre)

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Field Trip To Edventure Park And Code For India Office

Report

Date: 10th december 2022 **time:** 11 am - 1 pm

Target audience: ug students

no. Of attendees: 90 – 100 students

Resource person: mr. Ilyas shah khan, incubation manager at edventure park

An educational trip was organized by department of computer science, st ann's college for women, mehdiapatnam (the trip comprised of students from final year computer science and data science and ii-year data science) on 10th of december 2022, 90 students from our college accompanied by faculty members, mrs. Rajeswari and mrs. Renuka from dept of computer science. All the students were directed to gather at the college entrance at 10.50 am. We safely reached edventure park by bus at 11:15 am.

Objective

The objective of the field trip : the intent behind organizing the field trip was:

- The main goal of the field trip was to learn about career opportunities
- To get exposure to incubators and learn more about entrepreneurs.
- To motivate the students with stories of famous founders.
- To inspire the students to help people around them with their ideas.

Report

The students first visited edventure park office where they were welcomed and were given a brief introduction about the company origin, vision and mission of the edventure park, saying that it is an india's first student-focused startup incubator which is a non – academic and of 18 months. He, along with team members, interacted about the work patterns and techniques used in the company. Whatever your goals, edventure park offers a true end-to-end traceability solution that allows you to expand your ideology and bring your ideas to life.

We were guided by a host who explained in detail about the pre-incubational program. He gave an overview of the company and the founder of the company, mr. Meraj faheem (ceo).

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Hyderabad
Telangana
India



25°C
77°F

2022-12-10(Sat) 11:19(am)

It was an interactive session between students and the host. The host glanced at how we can expand our ideas in an innovative way, about how we can start our own start-up and become an entrepreneur. He also told the story of the founder, which inspired the students from being a college student to overcome his ideas of ups downs and be successful person. The host conveyed to us how the ideology of the entrepreneurs was decided by society based on the problem statement.

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A student (ms. Arma , 3rd msds) from our college is currently working as an entrepreneur who shared her experiences of how she got started as an entrepreneur and how the company supported her ideas. Then students were divided into groups and had a tour of the office and activity areas.

The students were then taken to the hardware lab at 12:35 and were shown the projects they had created. They gave a quick tour of the office (seminar hall, working area and experimental area). Due to time constraints as there were many things to watch and ask, we had a glance at all the displayed items in the lab. The students had a small preview of space saving and budget friendly dishwasher, a digital clock and an electric bike.

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Feedback:the field trip ignited passion in the students and encouraged them to think big. It was an exhilarating experience for the students, and we had exposure to understand things better. The session was very informative and thought provoking. The speaker was fervent and the information session was both witty and informative. The speaker sparked a renewed interest in innovation and entrepreneurship. The overall goal of the trip was met.

Program coordinators

1. Ms. K. Rajeswari, faculty, dept. Of computer science.
2. Ms. Renuka, faculty, dept. Of computer science.
3. Ms. Tahera zulfeqar, campus lead and incubatee at adventure park.





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Digital Transformation - Risks And Opportunities Managing Businesses

Report

Introduction

Digital transformation is the adoption of technology by an organization to digitalize products, services or operations. The goal for its implementation is to increase value, through invention, customer experience or efficiency.

Discussion

Digital transformation is not a thing to get. Digitalization is changing information to digital. Dt model ensures efficiency, effectiveness and sustainability. Out of \$1.3 trillion spent on dt, around \$900 million(70%) went to waste in 2020. Digitalisation is changing process using digital tech. The dt model is not about hiring data scientists; but to become data-driven organization; change how things are done. Digital transformation is strategic change in business processes, business models, roles, work and culture - using digital technologies for business outcomes.

the digital factory, siemens, doubles productivity. India leads in digitalisation. There is no sustainability without digitalization. The digitalisation at siemens includes connecting all machinery, processes are it controlled, products communicate with the machines and shop floor combined with simulation technologies creating digital twins of the factory. The results included going from 80 variant three production lines to 180 variants on one production line, from 21 seconds to 9 seconds to make each product, from 18 quality checks to now 52 quality checks, drop in the capital expenditure and space required and quality improved dramatically.

Data in digital transformation

Episodic data – generated by discrete events. Example shipment from supplier or sale of product.

Interactive data-

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- streamed by users interacting with platforms(google)
- legacy firms- with seniors and internet of things (iot) or through web based apps can capture and use interactive data.
 - enable rich digital experiences & expand value proportions

Interactive data characteristics :

- ability to generate new class of insights.
- amenable for widespread sharing.

Technologies used in dt

- broad band
- cloud computing
- mobile internet and applications
- social networks
- localisation
- analytics
- internet of things
- ai artificial intelligence
- wearables

Using digital technologies

Use digital technologies

- create positive customer experience
- improve organizational performance
- create new models that create value



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- technology might drive down cost

Summary

Digital transformation is the process by which companies enables technologies across their business to drive fundamental change. Its benefits include increased efficiency, greater business agility ultimately the unlocking of new value for shareholders.

Robotics Exhibition

Report

Guests

- Prof. D.Karuna Sagar (Head, Dept. of Physics & Electronics Osmania University)
- Dr M.Chandra Sekhar, MD 7S Technologies, Hyderabad
- Prof Priya Hasan, Asst.Prof , Dept of Physics, MANUU
- Prof. M.Srinivas(chairman ,BOS Physics, Osmania University)

Name of the Department	Physics & Electronics
Title of the event	Pursuing a fascination with Black holes
Date	25 th February 2023
Venue	Dept. of Physics & Electronics(room no 218)
Target group	Physics & Electronics students
No of Student/ No. of Faculty participants	I and II year Physics & Electronics students-35

Objectives:

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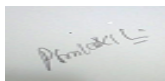
- To motivate the students in the field of Physics and electronics and pursue higher education.
- To bring awareness on prospects in the field of Physics and allied fields

Summary and Outcome

The students of I and II year Physics and Electronics were given an exposure to continue their education in Physics. The students have actively show cased their working models to the Head and Board of Studies members from Osmania University

List of Participants

https://docs.google.com/spreadsheets/d/1UZ8zdCzAkDKVC-8ziDW-UQb0xgAu7-tT8NRFC7IWvtc/edit?usp=share_link



Students demonstrating the Planetarium model to the BOS members

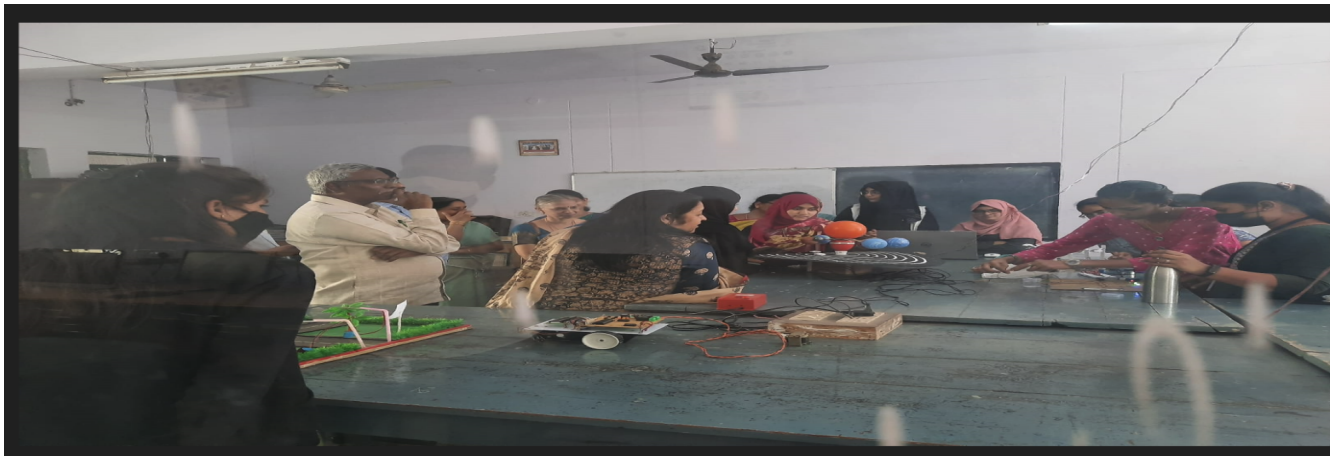
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Students Demonstrating the in house built warning Bot

Feedback : The I and II year final year students were greatly benefitted by the exhibition. They were encouraged and appreciated by the team members. They were given suggestions for improvising the models by the industry experts


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Robotics: IOT Applications

Report

Name of the Department	Physics & Electronics
Title of the event	Robotics: IOT Applications
Date	12th January 2023
Venue	ED (Enterprenuership & Development cell) @II floor
Target group	III BSc MPCs & MECS
No of Student/ No. of Faculty participants	III year Physics & Electronics students- 100
Resource Person	Mr.Sahadev komaragiri, MD , SOHAM Academy of Human Excellence

Objectives:

- To motivate the students in the field of Robotics and Internet of Things (IOT) applications
- To bring awareness in entrepreneurship avenues for designing and customizing Robots

Summary and Outcome

The students of III year Physics and Electronics were given an exposure to Robotics based designing and Applications. The road map of the path to be followed in order to become self reliant and to succeed in startups.

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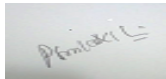


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List of Participants

https://docs.google.com/spreadsheets/d/1DbNZKJcOq6uk6Bb_8dxyVeh1p9wSRAEv4M9y1ec0IKg/edit?usp=share_link



Resource person giving the insight to the students on the design of innovative Robots

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Resource person enlightening the students in Robotics opportunities

Feedback : The students interested and are potentially capable of owning their own start ups in electronics were hugely benefitted and were given lot of insights by the resource person. The satisfactory feedback from the students was collected for future reference


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2-Day Workshop on WEB DEVELOPMENT FULL STACK

REPORT

Date: 9th and 10th March 2023

Venue: Computer Science Lab

Resource Person: Mr. Hariram (contact no. - 9345570098)

Target group: II & III MECS/MPCS/MSCS students

No of Student participants: 67

Objective, Summary and Outcome:

The Dept. of Computer Science conducted a 2-day Workshop on Web Development –Full Stack in collaboration with Pantech eLearning Hyd. with the objective of familiarizing students with front end and back-end connectivity tools in building website. 67 students registered and participated in the workshop. Mr. Hariram and Ms. Sravani from Pantech eLearning were the resource persons.

Day1-

The Resource person Mr. Hari initially introduced students to details relating to web development, front end and backend development, life cycle, different types of websites. He demonstrated and the students learnt installation of JDK, NETBEANS and MYSQL. Introduction to html and sample code was done, followed by CSS usage in styling web pages, different types in CSS explained and demonstrated. The students were also introduced to JavaScript usage in creating interactive pages. Validation of single page, backend introduction and java example followed and done by students. The day ended with students asking questions and getting doubts clarified.

Day2-

Mr. Hari introduced students to database concepts, table, query and so on and demonstrated using MYSQL. JDBC connection was explained. A hands-on session on how to create front end and back end in a sample college event management system project followed. The session concluded with students getting all their queries addressed.

Outcome and Feedback: The students found the workshop very useful; found the resource very knowledgeable and patient. Overall, they were very happy with the workshop, getting opportunity to learn new skills.

Enclosures relating to the Workshop

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1. Collaboration and Confirmation Letter

On Fri, 24 Feb 2023 at 08:37, naga nandini wrote:

Good Morning Sir,

Sub: Request for conduction of Workshop on Full Stack Development

We would like to collaborate with you for conducting Workshop relating to full stack development on 9th and 10th of March 2023 as discussed in detail. Hope you consider the same and acknowledge.

Regards,

K. N. Nandini

Head, Dept. of Computer Science-UG

St. Ann's College for Women, Mehdiapatnam, Hyd.

Re: Workshop-St. Ann's College for Women, Mehdiapatnam

From: Chinnasamy c <chinnasamy.c@pantechmail.com> on Mon, 27 Feb 2023 13:53:51

Chinnasamy. C

Mob: +91 8925533482/83.

Pantech eLearning Private Ltd.,

**4th floor, Delta Chambers,
Behind Chennai Shopping Mall,
Ameerpet, Hyderabad - 500 016.**

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WORKSHOP CONFIRMATION

To,
The Head of the department,
Computer Science,
St. Ann's College for Women,
12-2-823, ST. ANNS COLLEGE, A/45, St Anns Rd,
Santosh Nagar, Mehdiapatnam, Hyderabad, Telangana 500028

Dear Sir/Madam,

Thank for the opportunity to conduct a Two-day workshop on "Web Development with full Stack Java". From 09/03/2023 to 10/03/2023, Hope will deliver the best experience of the participants.

Please do arrange the following requirements to conduct hands-on-free program to your campus.

Requirements:

Lab (Hands on Training) with Projector & Mic,

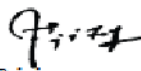

Operating System: Windows 10 64bit

Software: (JDK, NetBeans, SQL). Link: <https://bit.ly/3IYnaUn>

Need for Internet Connection

Yours truly

Pantech e Learning Pvt Ltd,

N. Srinivasan
(Branch Manager).

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Brochure:

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Department of Computer Science
in collaboration with

Pantech e Learning
DIGITAL LEARNING SIMPLIFIED

organizes

**2 - Day Hands-on
Workshop
on**

**WEB DEVELOPMENT
FULL STACK**

9th & 10th March 2023
9 AM - 2 PM

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Snapshots of the Workshop sessions:



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Extension Lecture On Memory Management In Operating Systems

Report

Date: 11/3/2023

Venue: computer science lab

Resource person: mrs. Vamsimohana, hod, dept. Of computer science, rbvrr college for women, narayanaguda, hyderabad. [contact no.: 9849338286]

Target group: i mecs/mpcs/mscs students

No of student participants: 135

objective, summary and outcome:

The department of computer science conducted an extension lecture on the topic “cloud computing” on 11th of march 2023. Mrs. Vamsimohana, hod, dept. Of computer science, rbvrr college for women, narayanaguda, hyd. ,was the resource person.

Mrs. Vamsimohana started with the evolution of cloud computing, need and advantages .she explained the various aspects related to cloud computing in a very understandable and comprehensive way to the first year students and how one can use it to their advantage and in their work. She also gave some suggestions regarding courses one can do to pursue study in the field.

It was an interactive session. Students posed some queries and mam answered them with clarity and patience.

Feedback: students gave positive feedback. They were happy to receive useful inputs.

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DEPARTMENT OF COMPUTER SCIENCE

organizes a Guest Lecture on

CLOUD COMPUTING

RESOURCE PERSON

Ms. Vamsi Mohana

Head, Department of Computer Science
RBVRR College for Women,
Narayanguda, Hyderabad, Telangana.



Date : 11th March 2023
Time: 10:00 AM - 12:00 PM

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Snapshots:



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One-Day Workshop On Molecular Docking And Drug Designing

Report

Date : 16 -03-23

Venue: MCA Computer Lab

Target Group: II Year BBC Students of Biochemistry

Resource Person: Ms Jyotsna From Bio Axis DNA Research Center

Co-ordinated by: AM Sylaja ,Head Dept of Biochemistry.

Report: The one-day workshop on Molecular Docking and Drug Designing began with an introductory lecture on Computer Aided drug designing covering introduction to Bioinformatics and Computational Biochemistry role in designing drugs. The lecture was followed by a hands-on session on Gene identification, Protein Data bank, Drug -Biomolecule, Receptor -Biomolecule Interactions and Principles of Molecular modelling -Drug Designing. All the students and instructor parallelly worked on the steps involved in molecular docking starting with identification of a disease, corresponding protein involved, gene identification, then different software packages and tools used (open resources) in docking the receptor with the drug.

All the students created their own word documents containing details and data pertaining to the workshop. After the hands-on session doubts were clarified by the resource person. Certificates of participation were presented to all the students who completed the allotted task during the workshop. 28 students participated in the workshop.



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Workshop on SDS PAGE technique Report

Date : 24 -03-23

Venue: Biochemistry lab and Room no 37

Target Group: II Year BBC Students of Biochemistry

Resource Person: Ms Kalpana from MR LABS ICRISAT

Co-ordinated by: AM Sylaja, Head Dept of Biochemistry.

Report: The one-day workshop on SDS PAGE technique began with a lecture on Principle of SDS PAGE and requirements, preparation of reagents to perform the technique. The lecture was followed by demonstration of step by step procedure of casting the gels, preparation of the samples, loading the samples, running the gel and interpretation of the results. Trouble shoot points also were discussed; all queries related to the experiment were answered by the resource person Ms Kalpana from MR Labs. A total of 30 students participated in the workshop.



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Santoshnagar colony, Mehdiapatnam, Hyderabad - 500 028.

Report on ELISA Training /Workshop

Date : 27-12-2022 & 28-12-22

Venue: Vijayrekha Life Sciences Labs , Nanal Nagar ,Hyderabad

Target Group: II Year BBC Students of Biochemistry

Resource Person: Ms Madhura Rekha from Vijay rekha life sciences labs

Introduction



Vijayrekha Life Sciences

Care that never quits

A two days workshop of hands-on training on ELISA and Hemoglobinopathies was conducted in Vijayarekha Life Sciences on 27th and 28th December, 2022. The session started at 10 am both the days. The workshop was conducted by Dr. Vijay Kumar. T Founder Partner, Director and Dr. Madhurarekha

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Ch Founder Partner, Director of Vijayarekha Life Sciences. This workshop was conducted for 2 days for BSc 2nd and 3rd year students of St. Anns College for Women, Mehdipatnam, Hyderabad.

This workshop included teaching various techniques used in the New Born Screening of infant samples. Newborn screening tests look for developmental, genetic, and metabolic disorders in the newborn baby. This allows steps to be taken before symptoms develop. Most of these illnesses are very rare, but can be treated if caught early.

