

# *St. Ann's College for Women*

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



## **CRITERION V**

### **STUDENT SUPPORT AND PROGRESSION**

#### **5.1.3**

**Capacity development and Skills enhancement activities**  
**Soft Skills, Language & Communication Skills and**  
**Life Skills**



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### Awareness Of Trends In Technology

2019-20

S.No	Name Of The Capability Enhancement Programme	Date Of Implementation	No. Of Students Enrolled	Name Of The Agencies/Experts Involved With Details If Any
1	Msc Clinical Nutrition-MAOC	5.06.2019	48	Dr. Meena Patangey, Head Department Of Nutrition Ph. No:8790418881
2	A Guest Lecture On Nutrigenomics	5.06.2019	48	Ms. Sindhu Ashwin, Nutritionist. Nutrigenomics Expert, Diabetes Educator
3	Overview Of Operating Systems	02.07.2019	135	Mr. Srihari Raju, Director, National Informatics Centre, Hyderabad
4	Hands On Training In "Molecular And Biochemical Diagnostic Techniques"	08.07.2019 & 10.07.2019	40	1)Dr.MLN Deepika(Asst. Prof). Institute Of Genetics & Hospital For Genetic Diseases 2) Dr.M.Vijayalaxmi (Asst. Prof), Institute Of Genetics & Hospital For Genetic Diseases
5	NPTEL-Awareness And Enrollment	09-07-2019 & 21-12-2019-	1108	Dr. Sarala Head Department Of Physics & Electronics, Ph.No:7032393763
6	FDP On Technologies For Effective Teaching	10.07.2019, 11.07.2019 & 17.07.2019	42	Ms. Aparna Bulusu, Asst Prof, Department Of Computer Science,
7	Emerging Trends In Computer Science	12.07.2019	50	Ms. Fareeha Rasheed, Research Associate, MANUU, Hyd.



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8	Digital India- Power To Empower	12.07.2019	10(Auxillary Staff)	Mrs. Nanadini, Head Department Of Computer Science, Ph No:9963982070
9	2-Day Hands-On Workshop On AI And Machine Learning	07.08.2019 & 08.08.2019	40	Mr. Gaurav Singh, Veera Shankara Ravindra Reddy Kakarla, Senior Software Engineer, Mobile: +91-8374230001/+91-7353122882
10	Workshop On "Bioinformatics"	21.12.2019	64	Dr. T. V. Rao Arsha Bioscience And Technology, India Pvt.Ltd.
11	A Two-Day National Level Workshop And Competition Series On The Topic "Development Of Smart Anti-Microbiology Agent To Fight AMR"	13.02.2020 & 14.02.2020,	50	Ms.Shailaja, Head, Department Of Bio Chemistry, Ph No:9849174742
12	Startup And Innovation	15.2.2020	46	Mrs. Nanadini, Head Department Of Computer Science, Ph. No:9963982070
13	International Webinar On "AI Powered Corona Detection	11.04.2020	100	Dr. Sarala Head Department Of Physics & Electronics. Ph.No:7032393763
14	Webinar On "Software Training For Online Teaching" & LMS Management	22.4.2020	100	Dr. Sarala, Head, Department Of Physics & Electronics, Ph.No:7032393763
15	Workshop on MS Excel and SPSS	24.02.2020	22	Dr.Srikala, Head, Department of statistics, st Ann's College for Women, <a href="http://Ph.No:7729077295">Ph.No:7729077295</a>

Website : [www.stanncollegehyd.com](http://www.stanncollegehyd.com)  
E-mail : [stann\\_college@yahoo.co.in](mailto:stann_college@yahoo.co.in)

Phone : 040-23513020



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16	National Level IT Exhibition	23.09.2019	60	Ms.Pushpa Latha , Head Department of MCA,St Ann's College for Women, <a href="tel:8106828882">Ph.No:8106828882</a>
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## **M.Sc Clinical Nutrition and Dietetics**

### **COMPUTER APPLICATION COURSE in NUTRITION.**

#### **MAOC 201**

**Total 30 hours**

#### **COURSE OBJECTIVES:**

- To understand the fundamentals of computer applications.
- To understand the practical applications of computer in nutrition science

#### **COURSE OUTCOMES:**

To operate a variety of advanced spreadsheet, operating system, word processing functions and software applications to be applied in the field of nutrition.

#### **COURSE SPECIFIC OUTCOMES:**

**CO1:** the students will understand the basics of computers and ms office

**CO2:** the students will gain knowledge about the MS Excel and MS Publisher

**CO3:** the students will understand the use of computers in the field of nutrition

**CO4:** the students will be introduced to the software tools like SPSS package and be able to know about the usage of nutrition related mobile apps/ software.

**Web based tools:** Creating Concept Maps (Using xmind or alternate software) , Online resources available freely on internet for following topics:

- Google Apps
- Concept Maps/ Flash Cards
- Mobile Apps

*Department of Nutrition  
St. Ann's College for Women  
Mehdiapatnam, Hyderabad-28*





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### Guest Lecture on “Nutrigenomics”

#### REPORT

The Students of msc Clinical Nutrition&Dietetics 1st yr(2020-22) took part in the guest lecture Organized by the Department of Nutrition, St. Ann's College for Women on Nutrigenomics on 5 th June 2021. The Guest invited was Ms. Sindhu Ashwin ma'am, Nutritionist, Nutrigenomics expert, Diabetes Educator, currently working at Navipoint, Mumbai.

The lecture was on the topic Nutrigenomics which has become quite interesting recently. Nutrigenomics is an emerging science which investigates a certain area of nutrition that uses molecular tools to search access and understand the several responses obtained through a certain diet applied between individual and population groups. The increased need for the use of personalised nutrition in patients is increasing and research is being made on its possible effects. Ms. Amatul Faiza started the session by welcoming Ms.Sindhu Ashwin ma'am. Moving head Ms. Grace Angel shared word from bible. Ms.Nasreen Begum ma'am addressed the speaker and shared virtual green greetings.

Later on Ms. Sindhu ma'am took over the session and has explained about the concept of Nutrigenomics in a comprehensible manner. She started with a basic explanation of nutritional concepts and how the term evolved from nutrition to 'Nutrigenomics'.It was found that humans have 99.9% identity between their genomes. A distinct difference between their weight, height, eye color and other features is only 0.1% of the gene sequence and this difference, among other factors, also determines the nutritional requirements. Single Nucleotide polymorphisms are the main reason for these genetic variations and it can often change the encoded protein. Ma'am then explained about the concept of Epigenomics. It is defined as the study of the complete set of epigenetic modifications in a cell or in a tissue at a given time. The epigenome consists of chemical compounds that modify or mark the genome in such a way that it can indicate what a cell can do, where and when to do it. These are called epigenetic marks. These epigenetic marks are passed from one cell to another when they divide themselves and thus will be passed from generation to generation. These signatures are influenced by genotype in the surrounding media (environment, diet & drugs) will determine the phenotype.

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### Extension Lecture on “Overview of Operating Systems”

#### Circular

**Dated: 29<sup>th</sup> June 2019**

Subject: Extension Lecture on Overview of Operating Systems

Dear Students,

The Department of Computer Science is delighted to announce an Extension Lecture on "Overview of Operating Systems" scheduled for 2<sup>nd</sup> July 2019 at the Computer Science Lab. The lecture aims to provide students with valuable insights into the fundamental concepts and functionalities of operating systems, focusing on both Windows and UNIX systems.

Objective:

The primary objective of this extension lecture is to provide students with a comprehensive understanding of operating systems, including their architecture, functionalities, and significance in modern computing environments.

By attending this lecture, students will:

- Gain insights into the key concepts and components of operating systems.
- Understand the differences and similarities between Windows and UNIX operating systems.
- Explore practical applications and use cases of operating systems in various domains.
- Gain practical knowledge and insights into Windows and UNIX operating systems.

We encourage all eligible students to attend this extension lecture to enhance their understanding of operating systems and broaden their knowledge in the field of computer science.

Thank you for your attention.

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PRINCIPAL  
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### REPORT

**Date:** 2/7/2019

**Resource Person:** Mr. Sri Hari Raju

**Venue:** Computer Science Lab

**Target group:** III Year MECS/MPCS/MSCS-

**No of Student participants:** 46

**Objective, Summary and Outcome:**

The Dept. Organized an Extension Lecture on “Overview of Operating Systems” on 2/7/2019. Mr. Srihari Raju, Director, National Informatics Centre, Hyderabad was the Resource Person. The students were given an exposure to Windows and UNIX operating Systems.

The Lecture began with introduction, with Sir giving a clear picture on memory details, types, layout, Hierarchy, registers and types, speed and addressing capacity, machine language, assembly language instructions, uniprogramming, multiprogramming, An Overview of Operating System functions /resource management were given. CPU Scheduling, memory management (paging), file management, I/O management, device management were stressed on.

**Feedback:** Students enthusiastically responded to queries posed to them and expressed great satisfaction.



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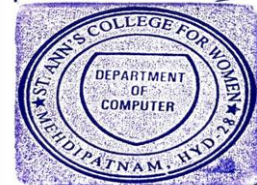
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Participants of Overview of Operating Systems on 2<sup>nd</sup> July 2019

K. N. Nandini





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### **Hands on training in “Molecular and biochemical diagnostic techniques”**

**Jointly organized by Department of Genetics, St. Ann's college and Institute of Genetics &Hospital for Genetic diseases**

#### **Report**

DATE OF THE EVENT: 8<sup>th</sup> -10<sup>th</sup> July 2019

TARGET GROUP: final year genetics students(GCM,GCZ)

TOTAL NO OF PARTICIPANTA: 40

VENUE: Institute of Genetics &Hospital for Genetic diseases

OUTCOME: The final year students of genetics were given hands on training on G6PD ASSAY,ACE Polymorphism,PCR RFLP,ARMS PCR. The training course has been designed especially for the final year students to update their knowledge and skills on different biochemical and molecular analysis for the study of gene expression, identification of disease carriers etc.The analysis of the techniques will lead to risk estimation of diseases and prediction for genetic counseling

RESOURCE PERSONS: 1)Dr.MLN Deepika(Asst.Prof) , Institute of Genetics &Hospital for Genetic diseases 2) Dr.M.Vijayalaxmi (Asst.Prof) , Institute of Genetics &Hospital for Genetic diseases

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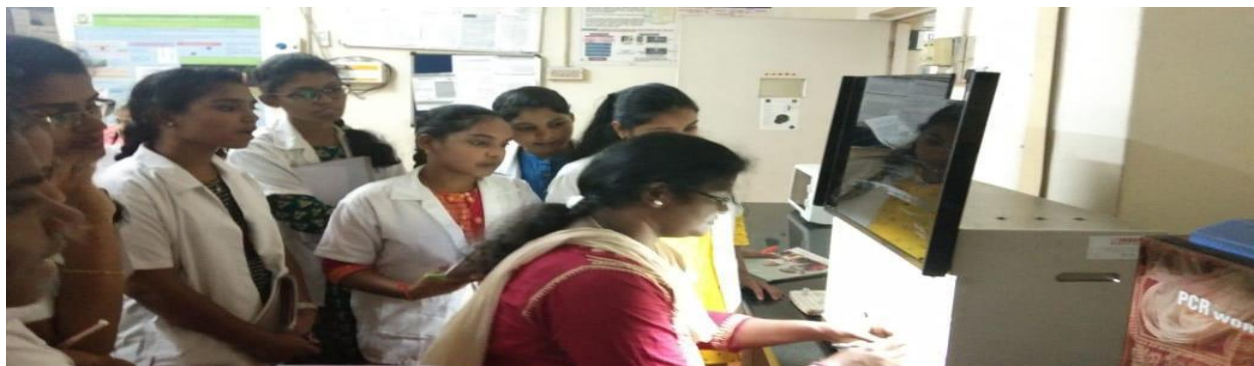


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*Visit to institute of Genetics&Hospital For Genetic Disorders from 8th -10th july 2019*



*Figure 1 Training on PCR*





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**TRAINING ON HPLC  
ELECTROPHORESIS**



**TRAINING ON GEL**



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**Institute of Genetics &  
Hospital for Genetic Diseases**  
Osmania University  
Begumpet, Hyderabad - 500016, Telangana, India

## Hands on training “Molecular and biochemical diagnostic techniques”

**8<sup>th</sup> -10<sup>th</sup>  
July 2019**

- G6PD ASSAY
- ACE Polymorphism
- PCR RFLP
- ARMS PCR

### CONTACT DETAILS

- 1) Dr. V.Venugopal Rao: Dept. of Genetics  
9985065518
- 1) Dr. N. Swapna: Dept. of Genetics  
9640854813



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### Awareness program on Swayam-NPTEL online courses Report

<b>Name of the Department</b>	<b>ICT Centre</b>
<b>Title of the event</b>	<b>Awareness program on Swayam-NPTEL online courses</b>
<b>Date</b>	<b>09-07-2019 for June -December 2019 session 21-12-2019 - January -April 2020 session</b>
<b>Venue</b>	<b>A.V.room, ICT Centre.</b>
<b>Target group</b>	<b>All students of B.A, B.Co, B.sc Life sciences and Physical Sciences.</b>
<b>No of Student/ No. Of Faculty participants</b>	<b>All First year students- 1108</b>

#### Objective:

To create awareness on the online courses offered by the UGC-Swayam-NPTEL courses .

- To enable the faculty members to get enriched and abreast with the latest trends in their respective fields.







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### List of students qualified:

[2019-2020 List of students and faculty -Qualified for 2019-2020.xlsx](#)

**Outcome:** The college was placed in the top 100 colleges

**Dr.D.Sarala** has received a certificate of appreciation for being an Active coordinator for NPTEL SWAYAM Courses at a felicitation workshop held in IIT, Bombay on 19<sup>th</sup> June,2019.

- **Dr.D.Sarala**, has successfully completed reviewing two courses
  - Basic Electronics – 95 Lectures
  - Analog Circuits - 72 lectures
- **Students :**
  - No.Enrolled : 1096
  - Successfully completed : 33 ( II Semester examinations would be held in April,2020.)
  - Elite status : 17
  - Silver Medal : 04
  - Top 5% : 01
- **Faculty :**
  - No.Enrolled : 46
  - Successfully completed : 13( II Semester examinations would be held in April,2020.)
  - Elite status : 09
  - Silver Medal : 02
  - Gold medal : 01



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## LIST OF ACTIVE LOCAL CHAPTERS - Jul-Dec 2019 semester

### Criteria:

A Local Chapter will be recognized as an 'Active LC' if:  
A minimum of 25 learners from the LC write the exam (i.e. 'Present'), AND  
A minimum of 13 learners pass the exam (i.e. 'Certified')

By default, Top 100 Local Chapters will be considered as ACTIVE Local Chapters.

Local Chapter id	College Name	City	State	Present	Certified	Successfully Completed	Elite	Silver	Gold	Toppers	RATING
170	SCSMV UNIVERSITY	KANCHIPURAM	TAMIL NADU	43	34	10	14	9	1	2	ACTIVE
679	GOVERNMENT COLLEGE OF ENGINEERING	KARAD	MAHARASHTRA	50	41	9	23	9		1	ACTIVE
1073	GLOBAL ACADEMY OF TECHNOLOGY	BENGALURU	KARNATAKA	40	37	8	14	15			ACTIVE
1438	DAYANANDA SAGAR ACADEMY OF TECHNOLOGY & MANAGEMENT	BENGALURU	KARNATAKA	37	31	6	12	11	2	1	ACTIVE
783	SJIB'S LATE SAJJI KANTABAI BHAVARLALJI JAIN COLLEGE OF ENGINEERING	NASHIK	MAHARASHTRA	35	29	5	11	10	3	1	ACTIVE
1806	DY PATIL COLLEGE OF ENGINEERING & TECHNOLOGY	KOLHAPUR	MAHARASHTRA	36	27	7	10	9	1	3	ACTIVE
1528	DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY	RAIGAD	MAHARASHTRA	42	36	9	16	10	1	1	ACTIVE
1123	TAGORE DENTAL COLLEGE & HOSPITAL	CHENNAI	TAMIL NADU	80	39	20	10	9		2	ACTIVE
2630	KAMALA INSTITUTE OF TECHNOLOGY & SCIENCE	KARIMNAGAR	TELANGANA	30	27	7	11	7	2	3	ACTIVE
118	ACADEMY OF MARITIME EDUCATION AND TRAINING	CHENNAI	TAMIL NADU	29	27	4	14	8	1	3	ACTIVE
690	CAMELLIA INSTITUTE OF TECHNOLOGY, MADHYAMGRAM	KOLKATA	WEST BENGAL	36	28	10	8	9	1	3	ACTIVE
2175	G. MADGOWDA INSTITUTE OF TECHNOLOGY	MANDYA	KARNATAKA	66	30	2	12	16			ACTIVE
1524	JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING	SHIVAMOGGA	KARNATAKA	60	41	10	24	6	1	1	ACTIVE
1524	JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING	SHIVAMOGGA	KARNATAKA	60	41	10	24	6	1	1	ACTIVE
680	SRI PADMAVATI MAHILA VISVAVIDYALAYAM (WOMEN'S UNIVERSITY)	TIRUPATHI	ANDHRA PRADESH	49	27	8	11	6	2	3	ACTIVE
1517	THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN	SIVAKASI	TAMIL NADU	65	44	19	20	5		2	ACTIVE
2693	JAI HIND COLLEGE	MUMBAI	MAHARASHTRA	45	36	9	17	9	1	1	ACTIVE
110	SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY	DINDIGUL	TAMIL NADU	31	30	2	16	11	1	1	ACTIVE
258	MARATHANASIOS COLLEGE FOR ADVANCED STUDIES	THIRUVALLA	KERALA	50	40	12	19	9		1	ACTIVE
357	PACE INSTITUTE OF TECHNOLOGY & SCIENCES	ONGOLE	ANDHRA PRADESH	141	66	48	17		1	1	ACTIVE
2637	GATES INSTITUTE OF TECHNOLOGY	ANANTAPUR	ANDHRA PRADESH	112	52	36	12	4		2	ACTIVE
288	KANPUR INSTITUTE OF TECHNOLOGY	KANPUR	UTTAR PRADESH	59	52	18	28	6			ACTIVE
977	ZEAL COLLEGE OF ENGINEERING AND RESEARCH	PUNE	MAHARASHTRA	28	21	5	7	8	1	4	ACTIVE

Name of the Department

ICT Centre



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<b>Title of the event</b>	<b>Awareness on the use of Virtual Labs</b>
<b>Date</b>	<b>August to December,2019( 6<sup>th</sup>-9<sup>th</sup> September,2019, 25<sup>th</sup> September,2020, 11<sup>th</sup> November, 2019, 12<sup>th</sup> December,2019</b>
<b>Venue</b>	<b>A.V.Room</b>
<b>Target group</b>	<b>Science students</b>
<b>No of Student participants</b>	<b>349</b>

### **Virtual Laboratory:**

The institution is recognized as a Nodal Centre for Virtual Laboratories in collaboration with International Information Technology, Hyderabad . This is an initiative of the Ministry of Human Resource Development,(MHRD) under NMEICT ( National Mission on Education through ICT). The ICT Centre has organized lecture demonstration sessions on web enabled experiments in 11 domains/disciplines. These experiments enabled the students to perform virtual experiments on various topics. Discipline wise sessions were conducted during August to December,2019( 6<sup>th</sup>-9<sup>th</sup> September,2019, 25<sup>th</sup> September,2020, 11<sup>th</sup> November, 2019, 12<sup>th</sup> December,2019. )

The total number of logins - 4841 ( No.of Experiments ) No.of students participated – 349

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**Orientation and hands-on workshop using Virtual Laboratories.**



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In MHRD Govt of India Initiative

Ref No: VL/NC Appointment

Date: 26/08/2019

To,  
The Principal,  
St. Ann's College for Women,  
Mehdiapatnam, Hyderabad,  
Telangana-500028.

Sub: Virtual Lab's Nodal Centre

With reference to your Expression of Interest for Virtual Labs dated 05.07.2019 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 31<sup>st</sup> December 2019 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 centers will get operational, technical support as given below.
4. The semester target is 4000 usages and proposal for 2 experiment development.
5. A semester wise monthly target and achievement plan will be submitted to Vlabs.
6. Each Nodal Centers 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 cyber security 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 endeavor in the service of the student community. Wish you all the best!

Thank You,  
Sincerely,

Dr. VenkateshChoppella  
Principal Investigator, Virtual Labs Project  
IIIT Hyderabad – 500032  
[venkatesh.choppella@iiit.ac.in](mailto:venkatesh.choppella@iiit.ac.in)

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



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Santoshnagar colony, Mehdipatnam, Hyderabad - 500 028.

### 3 day FDP/Training program titled 'Technologies for Effective Teaching'

#### REPORT

**Date:** 10<sup>th</sup>, 11<sup>th</sup> and 17<sup>th</sup> July

**Resource Person:** Ms. Aparna Bulusu

**Venue:** Computer Science Lab

**Target group:** Faculty from different Depts.

**No of Faculty participants:** 42

**Objective, Summary and Outcome:**

A 3 day Training program titled 'Technologies for Effective Teaching' was organized by the department for faculty from various departments. The session was conducted on 10<sup>th</sup>, 11<sup>th</sup> and 17<sup>th</sup> July. Topics covered included usage of Google forms, creating quizzes using Forms, Google Classrooms, e-content creation tools like Screen Casting, Concept maps and Info graphics. The hands on session included demonstration of various free software tools for creating various kinds of content.

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*Faculty attending the training session on Technologies for Effective training on 10<sup>th</sup>, 11<sup>th</sup> & 17<sup>th</sup> July 2018*



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## **Emerging Technologies in Computer Science**

### **REPORT**

**Date:** 12/7/2019

**Resource Person:** Ms. Fareeha Rasheed , Research Associate , MANUU, Hyd.

**Venue:** Computer Science Lab

**Target group:** III Year MECS/MPCS/MSCS

**No of Student participants:** 50

#### **Objective, Summary and Outcome:**

The Dept. Organized a Guest Lecture on “Emerging Technologies in Computer Science” on 12/7/2019. Ms. Fareeha Rasheed , Research Associate, MANNU , Hyderabad was the Resource Person.

The students were introduced to trending technologies, their applications and also about higher education and opportunities in these fields. Inputs relating to AI, ML, IOT, Augmented Reality, Blockchain, Cryptocurrency, Robotics, Learning Apps, how AI and ML would change the world further. Robotic Surgery, Blockchain Technologies in banking, healthcare, government etc. Were given.

**Feedback:** The students expressed great satisfaction and gave very good feedback.



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## Emerging Technologies in Computer Science

### REPORT

**Date:** 12/7/2019

**Resource Person:** Ms. Sneha Yadav Nareddy (contact no :9700825906)

**Venue:** Computer Science Lab

**Target group:** III Year MECS/MPCS/MSCS-

**No of Student participants:** 46

#### **Objective, Summary and Outcome:**

The Department of Computer Science conducted a Guest Lecture on the topic titled “Startups and Innovation “on the 15<sup>th</sup> of February 2020.

Ms. Sneha Yadav Nareddy, Co-Founder, CTO was the Resource person.

Ms. Sneha spoke on the various stages/factors encountered by people in setting up startups and how they should prepare for facing situations that they will encounter and with the right spirit. Models of various startups related Technology, Food chain and others were discussed.

She stressed on the importance of expertise, domain knowledge, enhancing technical skills /skill development in order to fit in the competitive environment with ease. She also spoke about her own personal experiences that she encountered and weathered.

**Feedback:** She also gave inputs regarding various funding agencies/support one can get in her experience. Students posed various doubts and queries which she patiently answered. They gave very positive feedback and some of them were keen on having their own ventures and they felt they got some useful inputs.



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*Sneha Reddy delivering a session on Start up and innovation on 15<sup>th</sup> february 2020*



*Sneha Reddy delivering a session on Start up and innovation on 15<sup>th</sup> february 2020*



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### Digital India – Power to Empower, 4<sup>th</sup> Anniversary celebrations

#### REPORT

**Date:** 12/7/2019

**Venue:** Computer Science Lab

**Target group:** Auxiliary Staff

**No of Student participants:** 10

#### **Objective, Summary and Outcome:**

On the occasion of Digital India – Power to Empower, 4<sup>th</sup> Anniversary celebrations, Students of I and II year gave a demonstration to the Auxiliary Staff of our College on online payments on July 1<sup>st</sup> 2019. Students enthusiastically taught and them, how to make payments on Paytm Application

**Feed back:** Auxiliary staff members were very happy to learn something useful for them on their smartphones.



*Student Delivering a session on Digital India – Power to Empower to auxillary staff on 12<sup>th</sup> July 2019*



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### **2-DAY hands-on Workshop/FDP on AI and Machine Learning**

#### **Circular**

**Dated:4<sup>th</sup> August 2019**

Subject: Two-Day Workshop on Artificial Intelligence and Machine Learning

Dear Faculty and Students,

The Departments of MCA and Computer Science at St. Ann's College for Women are pleased to announce a two-day workshop on "Artificial Intelligence and Machine Learning" scheduled to take place on 7th and 8th August 2019. This workshop aims to provide participants with a comprehensive understanding of Python, Artificial Intelligence, and Machine Learning, considering their growing relevance in today's world.


Objective:

The primary objective of this two-day workshop is to provide participants with practical insights into Python, Artificial Intelligence, and Machine Learning. By attending this workshop, participants will:

- Gain a deeper understanding of Python programming language.
- Explore the concepts and applications of Artificial Intelligence and Machine Learning.
- Learn about the latest trends and advancements in AI and ML technologies.

We encourage all eligible participants to attend this workshop to enhance their knowledge and skills in the field of Artificial Intelligence and Machine Learning.

Thank you for your attention.

  
PRINCIPAL  
ST. ANN'S COLLEGE FOR WOMEN  
MEHDIPATNAM, HYDERABAD-28.



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### REPORT

**Date:** 7<sup>th</sup> and 8<sup>th</sup> Aug 2019

**Resource Persons:** Mr. Gaurav Singh, Veera Shankara Ravindra Reddy Kakarla, Senior Software Engineer, Mobile: +91-8374230001/+91-7353122882

**Venue:** A.V Room and MCA Lab

**Target group:** Faculty and students

**No of Student participants:** 40

**Objective, Summary and Outcome:**

According to a recent study, Python, Artificial Intelligence and Machine Learning have become more relevant in the modern world, so Departments of MCA and Computer Science of St. Ann's College for Women have organized a 2 day workshop on AI and ML on 7<sup>th</sup> and 8<sup>th</sup> of Aug 2019.

**Day1:**

**Session 1:** The day started with the introduction to python, explained about command prompt with the help of windows power shell and execution of programs in python shell and how to use notepad during execution to get o/p.

**Session 2:** Mr. Gaurav Singh gave inputs relating to installation of jupyter notebook AI & ML, Deep Learning and github.

**Day2:**

**Session 3:**

The day started with installation of classification and regression data samples in python3 of jupyter by using jupyter commands.

**Session 4:**

Face detection process was explained by using jupyter notebook



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The day ended with a valedictory session and distribution of certificates.



SEQ Figure \\* ARABIC 3Mr. Gaurav Singh, Veera Shankara Ravindra Reddy Kakarla, Senior Software Engineer , Resource Person Deivering session the session on 7th and 8th August 2019



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*Participants of Two-Day Workshop on Artificial Intelligence and Machine Learning*



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## Workshop on “Bioinformatics” in collaboration with Varsha Bioscience and Technology, India Pvt.Ltd. REPORT

Date : 04<sup>th</sup> February, 2020

Venue St. Ann's college for women (A.V.Room).

Target group: Student of all life sciences

No of Student: 64

Resource person: Dr.T.V.Rao

A One day workshop on “Bioinformatics” was organized by department of biotechnology for the students of life sciences on 04<sup>th</sup> February, 2020 at St. Ann's college for women.

### Flyer

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CIE BY UGC  
MEHDIPATNAM, HYDERABAD - 28

ONE DAY INTERCOLLEGIATE  
WORKSHOP ON  
BIOINFORMATICS  
IN COLLABORATION WITH

VARSHA BIOSCIENCE AND  
TECHNOLOGY, INDIA PVT. LTD

ORGANISED BY  
DEPARTMENT OF  
BIOTECHNOLOGY AND  
DEPARTMENT OF GENETICS

PATRON  
DR. S.R.P. AMRUTHA  
PRINCIPAL

GUEST OF HONOUR  
DR. T. VENKATESWARA RAO  
DIRECTOR (BLS&R)  
ORGANISING COMMITTEE  
DR. V. VENUGOPAL RAO  
HOD, DEPT OF GENETICS  
DR. N. SWAPNA  
DEPT OF GENETICS  
MR. R. RUPA DEVI  
HOD, DEPT OF BIOTECHNOLOGY  
MR. N. SUSHMA  
DEPT OF BIOTECHNOLOGY

PROGRAM SCHEDULE

INAUGURATION @ LIGHTENING OF LAMP  
(9:30AM - 10:00AM)

BASICS OF BIOINFORMATICS  
(10:00AM - 11:30AM)

SHORT BREAK  
(11:30AM - 11:45AM)

APPLICATIONS OF BIOINFORMATICS  
(11:45AM - 12:30PM)

LUNCH BREAK  
(12:30PM - 1:30PM)

HANDS ON TRAINING ON  
BIOINFORMATICS TOOLS  
(1:30PM - 3:00PM)

VALEDICTORY  
(3:00PM - 4:00PM)

REGISTRATION FEE : 200/-  
VENUE : AV ROOM  
DATE : 4TH FEBRUARY 2020

### Objective :

The main objective of this workshop is to make students learn concepts of Computational Biology.

### Summary :

The workshop on “Bioinformatics” have made students learn basics of bioinformatics and tools and applications on designing a drug using bioinformatics software tools and the students were interested were worthful in learning the various concepts in designing of drugs and to study the structures of proteins which gave an outlook on usage of bioinformatics tools for sequence alignments. The resource person was interactive and made the session interesting to learn in hands on experience.



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### Outcome:

Students learnt Bioinformatics tools.

### List of Participants

S.no	Rollnumber	Name of the student
1	120419488001	AMATUL BASEER SARAH
2	120419488002	SYEDA KHATEJA FATHIMA
3	120419488003	FARIYA TAHREEM WAHEEDA
4	120419488004	KAYITHA AKSHARA
5	120419488005	SARAH JABEEN
6	120419488006	VIDHI JAIN
7	120419488007	AYESHA TAHIRA
8	120419488008	SOFIYA SABAH
9	120419488009	HEEBA ZAHEER
10	120419488011	JESSICA VEVINA KODAMALA
11	120419488012	LARAB KEHIKA SHAAN
12	120419488013	C.HARI PRIYA SRI
13	120419488014	PINKI CHOWDARY
14	120419488015	KANNEBOINA MEGHANA
15	120419488016	SALEHA SABAHAAT
16	120419488017	VUYYALA ALEKHYA
17	120419488018	MOLUGU VIJAYA KAVYA
18	120419488019	G.SRAVANI
19	120419488020	TANEESHA MANTRY
20	120419488021	MARAPUREDDY SUSHMITHA
21	120419488022	SIDRIYA FATHIMA
22	120419488023	MIZNA FEROZ
23	120419488024	HAFSA SHOEB



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24	120419488025	ZAINAB SIDDIQUA
25	120419488026	MALIHA KHATOON
26	120419488027	DIVYA GANAPATHY
27	120419488028	GOUDUCHERLA SARITHA
28	120419488030	SUMMAIYA
29	120417488011	Tuba Nazeer

### III GCM

S.no	Rollnumber	Name of the student
1	120417459002	Dharmapuri Gayathri
2	120417459003	Ramya Muppala
3	120417459004	Dona Vidya
4	120417459005	Rachri Vaishnavi
5	120417459006	Mehvish Fatima
6	120417459007	A.Sai Sagarika
7	120417459008	Nikitha Baukhandi
8	120417459009	K.Nikitha
9	120417459010	Ranga Sangeetha
10	120417459011	Minumula Bhavana
11	120417459015	Sheryl Marina Bastin
12	120417459016	R.Shusma
13	120417459017	Syeda Madhia Fatima
14	120417459018	Dania Ahmed
15	120417459019	P. Pavithra reddy
16	120417459021	B. Meghana Reddy
17	120417459022	Nitya Gayathri
18	120417459023	Marri Anitha
19	120417459024	Lamiah Syed Kareem
20	120417459025	E. Roshni
21	120417459026	Mariam Ahmed
22	120417459027	G. Rajini
23	120417459029	Ayesha Rahmat Yadwad

### II GCZ

S.no.	ROLL NUMBER	NAME OF THE STUDENT
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1	12017478004	M. Pooja
2	12017478005	K. Sri Sai P Deepthi
3	12017478012	Ch. Keerthi Reddy
4	12017478015	N. Srivenkata Anandavalli
5	12017478018	R. Mahima
6	12017478020	Chindamuri Jayashree
7	12017478022	Syeda Humera
8	12017478024	R. Sushma Vaishnavi
9	12017478026	Lubna Quadri
10	12017478027	S. Shanthi
11	12017478029	L. Rachna
12	12017478030	Gutha Sreenidhi

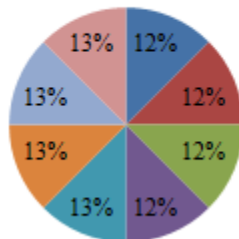
## Photographs



## Feedback

### Participants feedback on "Bioinformatics"

#### Feedback



- The workshop met its learning 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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### **2 Day National workshop and competition series on “Development of Smart Anti- Microbiology Agent to fight AMR” and in association with E-cell, IIT Mumbai.**

#### **Report-**

- **Date: 13th-14th February 2020.**
- **Resource Person/Speaker: Dr. Danish Ali, from Delhi**

IIT Mumbai in association with E-cell organised a 2 day National workshop and competition series on the topic –“Development of Smart Anti- Microbiology Agent to fight AMR” and was organized from 13th-14th February 2020, Dr. Danish Ali, from Delhi was the resource person. The workshop was attended by 45 students from our college, hailing from different subjects of Life Sciences viz., Biochemistry, Microbiology and Genetics. The resource person highlighted how Antimicrobial Resistance (AMR) is a global health and development threat and how there is an urgent requirement for a multispectral action in order to achieve the Sustainable Development Goals (sdgs). He also pointed at how WHO has declared that AMR is one of the top 10 global public health threats facing humanity. He briefly explained the misuse and overuse of antimicrobials which are the main drivers in the development of drug-resistant pathogens. He emphasized on how lack of clean water and sanitation and inadequate infection prevention and control promotes the spread of microbes, some of which can be resistant to antimicrobial treatment. He explained the pros and cons of AMR. The cost of AMR to the economy is significant and death, disability, prolonged illness might result in longer hospital stays, the need for more expensive medicines and financial challenges for those impacted. Henceforth, without effective antimicrobials, the success of modern medicine in treating infections, including during major surgery and cancer chemotherapy, would be at increased risk thus necessitating an urgent need seeking smart anti-microbiology agents to fight AMR effectively.

**Outcome:** Students were made aware of an array of Anti- Microbiology Agents employed in pharmaceutical industries as therapeutics and pros and cons of antimicrobial resistance(AMR)

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cri5 capacity building



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### International Webinar on “AI powered Corona Detection”

#### Report

Name of the Department	Physics & Electronics
Title of the event	International Webinar on “AI powered Corona Detection”
Date	11th April,2020.
Venue	Zoom meet
Target group	Physics & Electronics students
No of Student/ No. Of Faculty participants	100

#### Objectives:

- To bring awareness on the technological aspects of Covid detection during pandemic COVID-19
- To enlighten the students on the different techniques adopted.

#### Summary and Outcome :

The department of Physics & Electronics has organised first ever International Webinar on 11th March,2020, when the entire world is in the grip of CORONA virus. The resource person Dr.Bharath Narayana, from University of Ohio, has demonstrated the different techniques that has been used in his research labs using Artificial algorithms and was well appreciated by the students. The myths and apprehensions of the students were all cleared by the resource person. Later his work was granted patents.The webinar was organised soon after the National lock down declared by the Prime Minister .



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## Flyer :

### Webinar – Artificial Intelligence powered Detection of Corona Virus on 11<sup>th</sup> April 2020

Prevent the spread of COVID-19 in  
**7 STEPS**

- 01 Wash your hands frequently
- 02 Avoid touching your eyes, nose and mouth
- 03 Cover your cough using the bend of your elbow or a tissue
- 04 Avoid crowded places and close contact with anyone that has fever or cough
- 05 Stay at home if you feel unwell
- 06 If you have a fever, cough and difficulty breathing, seek medical care early – but call first
- 07 Get information from trusted sources

Department of Physics & Electronics organises  
**WEBINAR SESSION**  
Artificial Intelligence Powered Detection of Corona Virus  
Saturday 11th April 2020

Zoom Meeting: Meeting ID: 981 235 13020

## Feedback :

All the students were enlightened on the techniques used, and all the apprehensions were cleared.



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### Webinar on “ Software training for online teaching”& LMS Management

#### Report

Name of the Department	Physics & Electronics
Title of the event	Webinar on “ Software training for online teaching”& LMS Management
Date	22nd April,2020.
Venue	Cisco WEBEX meet
Target group	Physics & Electronics students
No of Student/ No. Of Faculty participants	100

#### Objectives:

To enable students understand the different platforms available

To make a comparative study on the adaptability from students perspective.

#### Summary and Outcome :

#### Flyer:



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### DEPARTMENT OF PHYSICS & ELECTRONICS

*Software Training session for Interactive online teaching<sup>o</sup>  
LMS Management<sup>o</sup>*

# LIVE

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# WEBINAR

**APRIL 22nd 2020 at 2.00 p.m**

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### List of Students :

Hall Ticket No	Name of the Student	Combination
120417468001	SOFIA UZMA	Mpcs
120417468002	SHARFUNNISA	Mpcs
120417468003	NAKKA SATVIKA DIVYA	Mpcs
120417468005	MANNE ANUSHA	Mpcs
120417468006	MANGALI SHIRISHA	Mpcs
120417468007	IRUM FATIMA	Mpcs
120417468008	KORANI DIVYA	Mpcs
120417468009	ASHWINI TIWARI	Mpcs
120417468011	MACHAVARAM GAYATHRI	Mpcs
120417468012	JAIN DEVIKA	Mpcs
120417468013	MARRAPU BHARGAVI	Mpcs
120417468014	YENUGU MANASA	Mpcs



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120417468015	JADDU BHARATHI	Mpcs
120417468016	MADHAVI KUMARI	Mpcs
120417468017	MANNE SRIVANI	Mpcs
120417468018	YAMJALA SAI NIKITHA	Mpcs
120417468019	ANN SHARON JOHNSON	Mpcs
120417468020	KESHANA GARI KAVITHA	Mpcs
120417468021	PALLERLA AMULYA	Mpcs
120417468022	MANNE LIKITHA YADAV	Mpcs
120417468023	N SAI PRIYA	Mpcs
120417468024	KANDLAPALLI SAI SHREE	Mpcs
120417468025	NERIGA SHIRLEY	Mpcs
120417468026	BODDETI SOWJANYA	Mpcs
120417468027	PATLURI ASHWINI	Mpcs
120417468028	GUNNAM NANDINI	Mpcs



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120417468029	BHAGYASHREE ALLE	Mpcs
120417468030	SRIRAM VAISHNAVI	Mpcs
120417468031	SUMANJALI A	Mpcs
120417468032	PALGUCHERUVU JERUSHA RANI	Mpcs
120417468033	MOHAMMAD BUSHRA	Mpcs
120417468034	BATTENA SADHANA	Mpcs
120417468035	CHILAKAMARRI SUJITHA SARADHI	Mpcs
120417468037	KAKAN ROY	Mpcs
120417468038	BAMMIDI RAJINI	Mpcs
120417468039	VAISHNAVI	Mpcs
120417468040	AMENA FATHIMA	Mpcs
120417468042	NADELLA. SAMYUKTHA	Mpcs
120417468043	REDDY SRILAKSHMI TULASI SANTHI	Mpcs
120417468044	SYEDA FATIMA	Mpcs





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120417468045	B SWAPNA	Mpcs
120417468046	GOWLIKAR POOJA	Mpcs
120417468047	DHANAGARI VARSHA	Mpcs
120417468048	PULLANNAGARI MANISHA	Mpcs
120417468049	CHILLA SAI VARSHINI	Mpcs
120417468050	JULAKANTI MOUNIKA	Mpcs

Hall Ticket No	Name of the Student	Combination
120417474001	PALLI PAVANI	Mecs
120417474002	BANDARI ROSHINI	Mecs
120417474003	MICHAEL SHERLIN	Mecs
120417474004	GOSWAMY AKANKSHA	Mecs
120417474005	SAMBA LAVANYA	Mecs
120417474006	SAKALI SRAVANI	Mecs



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120417474007	KATROTH SUSHMA ROTHOD	Mecs
120417474009	P R SUPRAJA	Mecs
120417474010	MARISHETTY SRI NIDHI	Mecs
120417474011	NANGUNURI MOUNIKA	Mecs
120417474012	PARSI SAHITHI	Mecs
120417474013	D JYOTSNA	Mecs
120417474014	BOBBILI SINDHUJA	Mecs
120417474015	RAMOJI SAI PRAGNA	Mecs
120417474016	M DURGA	Mecs
120417474017	SRUNGA VARAPU MADHURI	Mecs
120417474018	CH PRAVALLIKA	Mecs
120417474019	ALEGANI DEEPIKA	Mecs
120417474020	KAMSALI NANDINI	Mecs
120417474021	LINGALA SAI SOWMYA GOUD	Mecs



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120417474022	VAISHNAVI NITIN KULKARNI	Mecs
120417474023	PADAMATI SOWMYA	Mecs
120417474024	A SAMATHA	Mecs
120417474025	VANAM SRAVANI REDDY	Mecs
120417474026	RAMOJI HARINI	Mecs
120417474027	NIMMAKAYALA MANISHA	Mecs
120417474028	KONTHAM NIKHITA	Mecs
120417474029	PODDUTURI AKANKSHA REDDY	Mecs
120417474030	SNIGDHA S	Mecs
120417474031	SAHITHI SHEELAM	Mecs
120417474032	BHUPATHI UJWALA	Mecs
120417474033	MURARKAR RUCHITHA	Mecs
120417474034	SHAILAJA SARA	Mecs
120417474035	POTHUGANTI AISHWARYA	Mecs



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120417474036	BOMMA PRIYANKA	Mecs
120417474037	PEDDARAPU SANGEETHA	Mecs
120417474038	PANUGANTI SAHITHI	Mecs
120417474039	MADASU NIHARIKA	Mecs
120417474040	DONTI NIKITHA	Mecs
120417474041	DAULAGAR HARSHITHA	Mecs
120417474042	THOTAMGARI KEERTHI REEDY	Mecs
120417474043	NALLA SRAVANI	Mecs
120417474045	KODURU ANUSHA	Mecs
120417474046	N SADHANA	Mecs
120417474047	KOVURI PRIYANKA YADAV	Mecs
120417474048	D SANDHYA	Mecs
120417474049	DONDLAPALLY SRAVANI	Mecs
120417474050	NANDYALA LAVANYA	Mecs

**Photograph with Caption:**



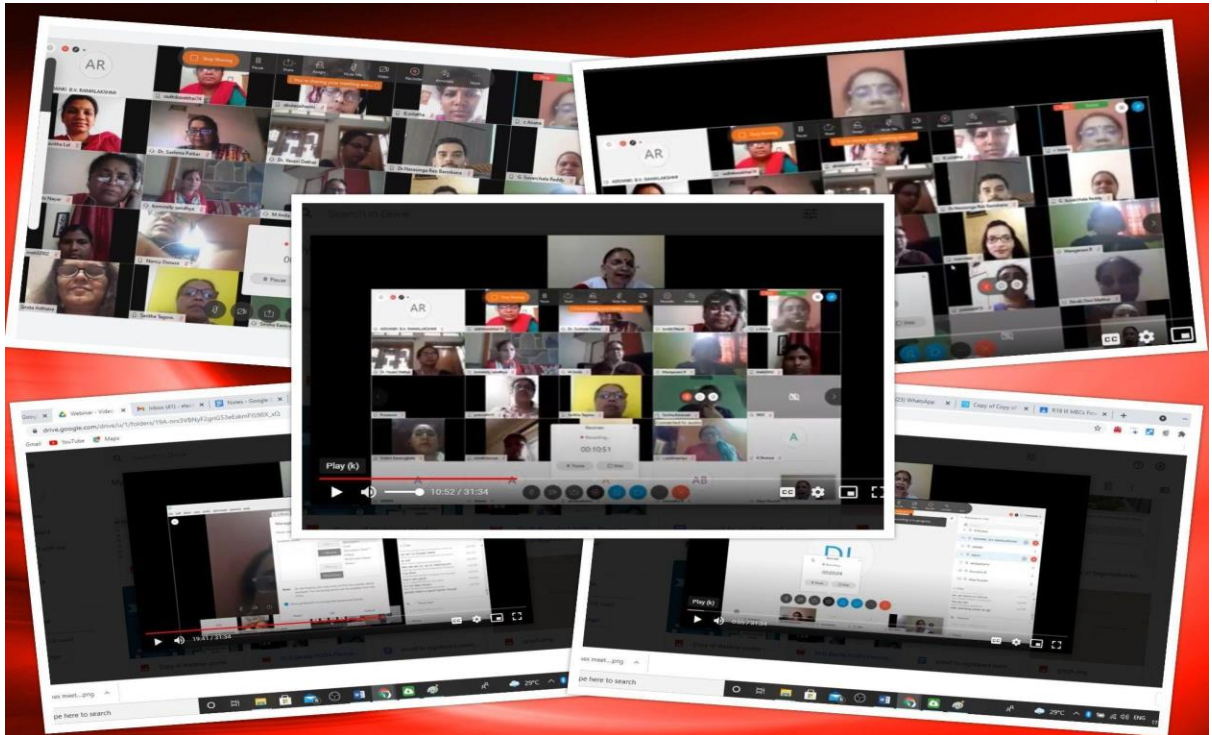
Website : [www.stanncollegehyd.com](http://www.stanncollegehyd.com)  
E-mail : [stann\\_college@yahoo.co.in](mailto:stann_college@yahoo.co.in)

Phone : 040-23513020



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**Feedback:** All the students expressed that it was the best platform for them to use. The features of notes sharing, polling, online quiz, Lecture Management system was well received by the students.

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



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## WORKSHOP ON MS-EXCEL AND SPSS

### REPORT

- **Date:** 24<sup>th</sup> Feb2020
- **Venue:** St. Anns College for Women, Hyderabad
- **Target group:** UG students
- **No of Student/ No. Of Faculty participant:** 22

#### Objective, Summary and Outcome

The objectives of the workshop are as follows:

- To understand the key trends.
- To do some hands-on work using SPSS and MS Excel

#### List of students attending workshop

S.No	Roll No.	NAME	CLASS
1	120417263002	KUBRA MEHNAAZ	PLP
2	120417263006	TUBA SYED ABDUL QADEER	PLP
3	120417263009	CHELAMALLA SHIVA PRIYA	PLP
4	120417263010	WAFI SHIREEN	PLP
5	120417263011	NAILA FATIMA	PLP
6	120417263015	KULSOOM YOUSUF	PLP
7	120417263020	MEDHA MUDGALA	PLP
9	120417263021	DANIYA TABASSUM SHARIEF	PLP
10	120417263023	FARVAH RAZI	PLP
11	120417263027	PANDI. CHANDRAJA	PLP
12	120417263034	ANDHARIA NOOR VIRESH	PLP
13	120417263038	SANIYA ANAM	PLP
14	120417263019	SOHA ABDUL ALEEM	PLP
15	120417130002	GEETHANJLI YARLAGADDA	PEP

Website : [www.stanncollegehyd.com](http://www.stanncollegehyd.com)  
E-mail : [stann\\_college@yahoo.co.in](mailto:stann_college@yahoo.co.in)

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16	120417130004	ROOHIE ZAFAR	PEP
17	120417130008	NOREEN TAHER	PEP
18	120417130014	SHANTHI RAMAKRISHNA PILLAY	PEP
19	120417130022	NABIYA	PEP
20	120417130031	DILNAAZ JAHANGEER	PEP
21	120417130032	YANDAPALLY SIRISHA	PEP
22	120417130039	QUSDIYA KHATOON	PEP



*Participants of workshop on using SPSS and MS Excel on 24th February 2019*





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## IT Exhibition 2019 REPORT

St. Ann's College for Women  
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NAAC Accredited (3<sup>rd</sup> Cycle) with 'A+' Grade, College with Potential for Excellence by UGC, Mehdiapatnam, Hyderabad - 500028.

**Department of MCA**  
*National Level IT Exhibition*  
**St. Ann's Technocrats**

**THEMES** Live/working models, 3D models, Mini Applications

**Themes:** IoT, Artificial Intelligence, Robotics, Bread Board, WireLess, Nano Technology

**Attractive Cash Prize**

- 1st Prize Rs. 5000
- 2nd Prize Rs. 3000
- 3rd Prize Rs. 2000

Consolation Prizes will be given

**Venue**  
St. Joseph's Auditorium  
23rd Sept, 2019.  
9.00 am to 4.00 pm.  
For Registration Contact  
Ms. T. Pushpa Latha: 8106828882  
Ms. S. Naga Lakshmi: 8885725477

**Registration Fee: Rs. 300 Per team**  
Pay through Google Pay: 8885725477  
Team Size: Max 3 members per team  
Last date to Register: 15th Sept, 2019  
Spot Registration also available  
Registration Link:

<https://forms.gle/wwwkof1LyFrM1AqUi6>



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### Best Practices (2019-20)

#### IT-Exhibition:

The department makes IT exhibition of the best IOT models done by the second and final year students to motivate and enhance the cult of engineering and science to first year students.

#### E- Attendance System:

MCA Faculty is developing an E-attendance system for all semesters by using JAVA.

#### Online Resources:

NPTEL, Virtual Labs, PWK tools are the online resources used in the teaching learning process.

- **PWK Tools:** To improve the competitive programming capabilities among the students online resources PWK tools are Students are given programming challenges through these platforms. These platforms are used to give problem solving assignments. These platforms generate ranks in the leader board which motivates the students to continue attempting contests.
- **NPTEL :** NPTEL at the College provides e-learning opportunity through online courses like Introduction to Programming in C, Data Structure and Algorithms using Python Programming, Introduction to DBMS etc.
- **Virtual Labs:** Virtual Labs is to provide remote-access to Labs in various discipline of Science and this provision is used for conducting labs sessions for Programming Subjects.

#### Peer teaching

Peer to peer teaching is an effective teaching method used in the classroom/ lab to enhance this will enable the students to revise their learning and be able to



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consolidate it by teaching it to fellow students. These also improve their subject knowledge as well as increase their confidence.

There are many benefits to peer teaching:

*Reinforce Learning*

*Increase Confidence*

*Develop Communication Skills*

*Assess Learning*

### **Student Lectures:**

Every student in the classroom is given an opportunity to deliver a lecture on a particular area.

This activity will encourage students to gather information, prepare notes, participated in discussion with peers and teachers and to present his or her view in a gathering.

T. Pushpa datta

Head

Department of M.C.A.,  
St. Ann's College for Women (PG Course)  
(Autonomous),  
Mehdipatnam, Hyderabad-28