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 – II Teaching - Learning and Evaluation

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2.3.1. Student Centric Methods Problem Solving Learning Methods

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Mehdipatnam, Hyderabad.

The Department of Political Science; Public Administration

Competitions

* The Department of Political Science ; Public Administration of St. Ann's College for Women, Mehdipatnam and Department of Political Science &; Public Administration of St.Pious X Degree and PG College for Women, Nacharam in collaboration with IQAC of both the colleges organises various competitions at the national level as a part of Azadi Ka Amrit Mahotsav celebration from 15 th till 30 th August 2022.





INTER COLLEGE COLLAGE COMPETITION

(Nutrition Department in collaboration with SQAC)





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Osmania University

Institute of Genetics & Hospital for Genetic Diseases Unveiling the future

Date: 05.07.2022

CERTIFICATE OF TRAINING

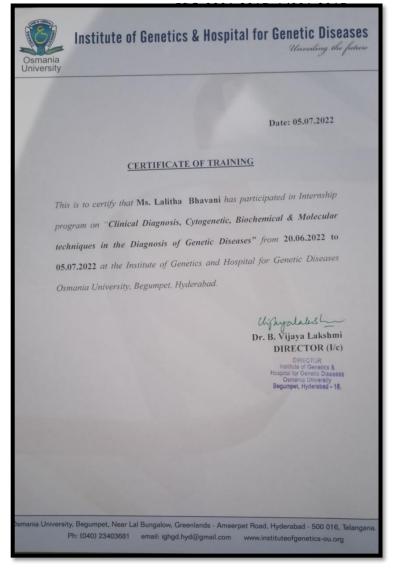
This is to certify that Ms. Huda Tahreem has participated in Internship program on "Clinical Diagnosis, Cytogenetic, Biochemical & Molecular techniques in the Diagnosis of Genetic Diseases" from 20.06.2022 to 05.07.2022 at the Institute of Genetics and Hospital for Genetic Diseases Osmania University, Begumpet, Hyderabad.

> Ch fayalalla Dr. B. Vijaya Lakshmi DIRECTOR (I/c) DIRECTOR Institute of Genetic Biseases Osmania University Begumpet, Hyderabad - 18.

Osmania University, Begumpet, Near Lal Bungalow, Greenlands - Ameerpet Road, Hyderabad - 500 016, Telangana. Ph: (040) 23403681 email: ighgd.hyd@gmail.com www.instituteofgenetics-ou.org

St. Ann's College for Women INTERNSHIP DETAILS GENEALGNoR20 BAFFilHted to Osmania University Accredited by NAAC with A⁺ Grade (3rd cycle), CPE by UGC







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2	D.Mary grace	1.2042 E+11	GCZ	Duchenne Muscular Dystrophy	https://docs.google.com/presentation/ d/14mewUdynDTOcueEBiq0sI9AuM xL5sJ9y/edit?usp=drivesdk&ouid=10 1323385394530382798&rtpof=true&s d=true
3	Lalitha Bhavani .D	1.2042 E+11	GCM	Von Hippel Lindau Syndrome	https://drive.google.com/file/d/1wd4k CbuHvrruu4c2TQssla- M8mrO7foJ/view?usp=drivesdk
4	ch.Alek ya	1.2042 E+11	GCM	Inheritance of Blood Pressure across Generations	https://1drv.ms/p/s!Aidq7lo3wDYqpV cV Ij9b 7HN2gZ
5	Arathi M	1.2042 E+11	GCM	Inheritance of Blood Pressure across Generations	https://ldrv.ms/p/s!Aidq7lo3wDYqpV cV Ij9b 7HN2gZ
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Department of Computer Science (UG & PG), MANASA

in

Collaboration with Code for India & Edventure Park

Code FEST Hackathon -2023

St. Ann's College for Women Merced and a second
HACKATHON 2023 Inthe 15th March PRIZES Insulation Support - Toke your idea to the moon Insulation Support - Toke your idea to the moon Guide Misses for Tog 3 Mineset Get Caudified for CRI Pelowship Program Get Caudified for CRI Pelowship Program Support - Tog 3 Mineset
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Mar P. Pendhambi, Dept. of MCA Me. M. Harin Lawaiya, Dept. of MCA Ma. G. Nirenala Joyces, Dept. of MCA Me. Madfami Fani, Dept. of MCA

The Departments of Computer Science (UG and PG) and MOU(MANASA) in collaboration with Code for India & Edventure Park organized a 3 days Hackathon-2023 from 13th to 15th, March, 2023. Hackathon will definitely help the students to gain knowledge and develop innovative skills to accelerate the development of this country. **.There's no better way to learn new technical skills** than by participating in a hackathon. It's a great opportunity to

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brush up on technical knowledge. Our ability to absorb and use related information will depend on how fast and how often we learn. We are confident that these kinds of Hackathons will give opportunities to our students to discover and adapt new technologies to cope with change and overcome current and future challenge.

Target Audience: UG & PG Students

No. of Attendees: 200 students

Dav-2

Finding the Solution for the Problem

statements for the hackathon were carefully curated with respect to the App Development,

Web Development and ML domains and at the same time their difficulty was set considering the motive of the Hackathon which was to act as a stepping stone into the world of

Hackathons, for ther students.

The core team of Code for India and Edventure explained the problem statements and welcomed all kinds of queries of the participants. The coding mentoring round started at 10am in the morning. The event was hosted in MCA Lab, where all teams were assigned private virtual tables which they could use to discuss ideas and interact with each other.







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The winners of the Hackathon 2023 :



First Prize- Runtime Terror: 10000/- Cash Prize and Received Hackathon Trophy

Ms. Achsa, B.Sc. MSDS, II Year- St. Anno's College for Women

Ms. Harshitha, B.Sc. MSDS, II Year- St. Anno's College for Women

Mr. Naga Phani Sai- MLRIT•

Mr. Srujan- MLRIT•

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Second Prize- NAK Squad : Rs.5000/-

- Ms. Arma Sahar, B.Sc. MSDS, III Year- St. Anno's College for Women
- Ms. N. Kiranmayee Padma Lalitha, B.Sc. MSDS, III Year- St. Anno's College for Women
- Ms. Jetling Niharika, B.Sc. MSDS, III Year- St. Anno's College for Women

Ms. Sabha Sultana, B.Sc. MSDS, III Year- St. Anno's College for women

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Third Prize- HackOverFlow Rs.3000/-

Ms. Saniyah Abdul Salam, B.Sc. MSDS, II Year- St. Anne's College for Women
Ms. Nashra Fatima, B.Sc. MPCS, II Year- St. Anne's College for Women
Ms. Zunerah Fatima, B.Sc. MSDS, II Year- St. Anne's College for Women
Ms. Rabi-ul-arfa, B.Sc. MSDS, II Year- St. Anne's College for Women
Ms. Mubeen Sultana, B.Sc. MSDS, II Year- St. Anne's College for Women
Ms. Pujyam Suvarna, B.Sc. MSDS, II Year- St. Anne's College for Women



Mehdipatnam, Hyderabad.



Hackathon Team -2023

Reflection Video Link:

https://drive.google.com/drive/folders/1H8dDoVAgRKpGD kKygqhOddFsL8Udwsk

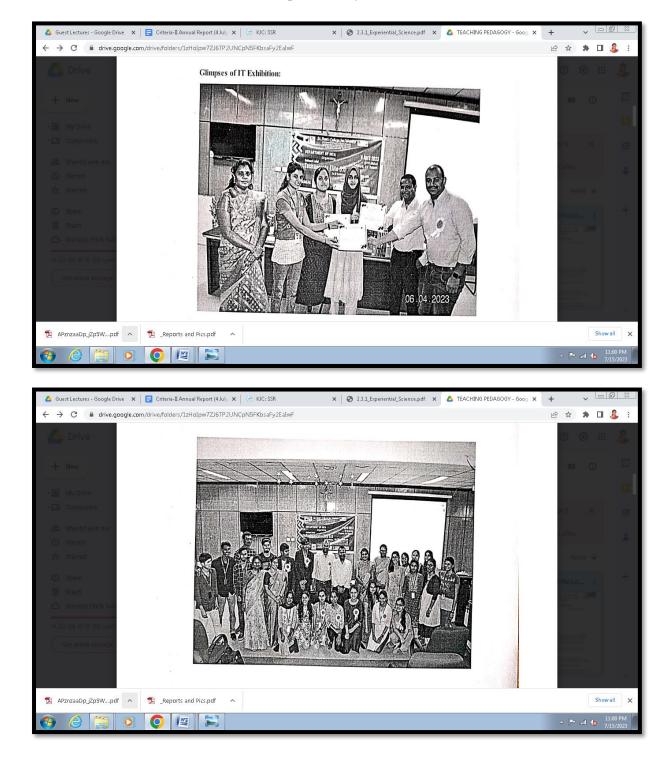
Department of MCA

Technocrats-elite 5.0-IT Exhibition



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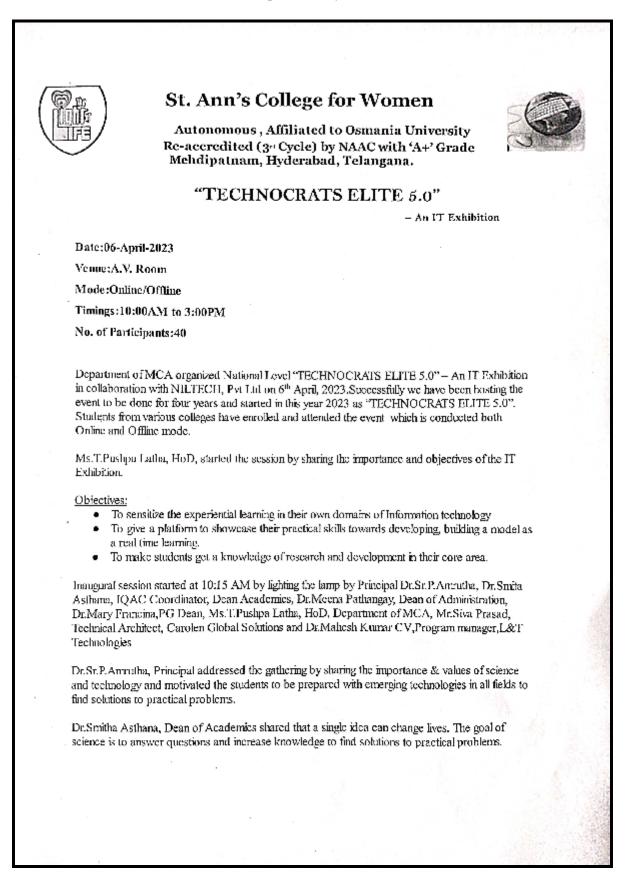
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Mehdipatnam, Hyderabad.

Department of Mathematics Events Organized for students

1.Name of the Event: National Level Lecture Series-Igniting Young Minds towards Mathematical Research

Date: Jan 5th 2023 – Jan 14th 2023

Venue: Zoom Platform

No. of students participated: 445

The Department of Mathematics organized the National Level Lecture Series-Igniting Young Minds towards Mathematical Research. Lectures were given by eminent IIT Professors on how math concepts(i.eLinear algebra,applications of differential equations, linear regression, optimisation theory etc) are applied in various fields of today's technology and also explained the path to proceed to research in various fields.

Snapshots:



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Outcome: Lectures were very interesting and informative where students learnt how math is applied in various fields of science. It was fruitful as speakers delivered their topic most efficiently and encouraged students to proceed higher studies and also in research.

2.Name of the Event: MoU Activity – MANASA(Math Quiz)

Date: 14th December 2022

Venue: Loyola Academy

No. of students participated: 84

List of students:

Brief report:

Loyola Academy Degree and PG college, Alwal, Secunderabad in collaboration with St. Ann's College for Women, Mehdipatnam, Hyderabad and SQAC student Coordination has conducted competitions for students on the occasion of National Mathematics Day, 14th December,2022 in the Loyola Academy campus.

Competitions such as Student presentation on "Role of Linear Algebra in Computational science", MAth-Quiz and Math-Olympiad were conducted for the Physical Sciences streams in which the students of all the years enthusiastically participated from Loyola Academy, St.Ann's College and St.Francis College.

Snapshots:







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Outcome: The event was very successful and memorable with a good collaboration between both staff and students.Students won prizes in all the three competitions. The students also had good feedback and wanted more collaborations in the future.

3.. Name of the Event: Math Club Events - MATHEMAGIC- Quiz

Date: 16th December, 2022

Venue: Room no. 47, St. Ann's College for women

No. of students participated: 92

Brief Report: A distinctive club for advanced learners, this academic year has focused on thrust areas of mathematics, training students with essential skills required for an intuitive understanding towards clearing various competitive examinations.

To build and enhance necessary computational skills To develop students' ability to critically interpret numerical data.

To encourage and reinforce the critical thinking skills of students.

Snapshots:

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Outcome: Main motto is to encourage students to participate and develop their time management skills and confidence. Students participated with great interest and won prizes in the competitions.

4. Name of the Event: To Infinity and Beyond-Math Event

Date: 21st September, 2022

Venue: AV Room, St. Ann's College for Women

No. of students participated: 120

Brief Report:

On September 21 st, 2022 the Department of Mathematics conducted a competition

- 'To Infinity and Beyond. The competition was open to all students of the college and approximately 150 people were in attendance.

The event was carried out by volunteers from 2 nd year BSc MSDS and MPCS.

Starting with Bible Reading by Haveela the event moved forward with the Keynote address by Aaishah and Mubeen. The event had three rounds in all. The first round was conducted by Suvarna and Zunerah, the second round was handled by Saniyah and Nashrah, and the last round was a surprise round that was conducted by

Saniyah.

Snapshots:









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Outcome: Participants were actively engaged in three Mathematics-based Challenges: Guess the Number (Finding that one number from Hundred numbers with the help of brain-tickling mathematical riddles); Criss-Cross (Solving a regular crossword but of course with a touch of mathematics) and Surprise round (A race to solve a riddle). The challenges concluded with the announcement of the winners and the prizes were later given to the winners in the general assembly and a feedback session from the participants was done at the end too.

5. Name of the Event: PUZZLE OF THE WEEK

Date: Sep 12, 2022 – Mar 20, 2023

Venue: St. Ann's College for Women

No. of students participated: 43

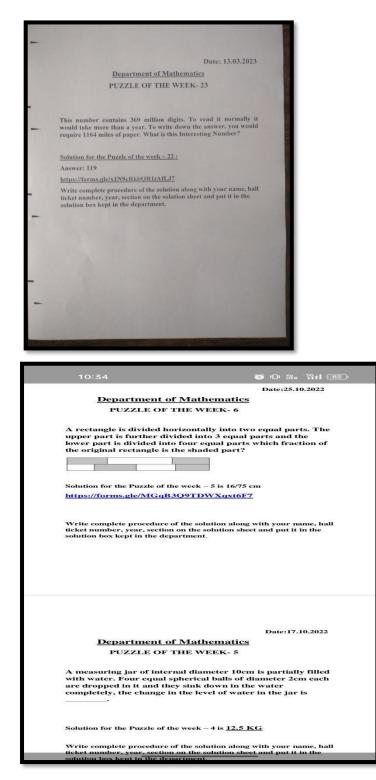
Brief Report: The Department of Mathematics has successfully conducted the Puzzle of the Week, the department activity for the academic year 2022-2023. Every week a puzzle was put up on the notice board and also posted in college website. Students coming up with maximum number of correct solutions were awarded at the end of the year. This activity is for all maths and non maths combinations.

Snapshots:

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Outcome: To elite the spirits, increase interest and commitment among students to pursue careers in mathematics and to develop critical thinking, problem solving skills etc.



Department of BBA

Internship

S.No	Roll Number	Name	Extra Internship /Project	Company Name	Duration	Stipend
1.	120420684053	Mounika Singade	Internship	ManasioPvt Ltd	7 months	Rs.5000
2.	120420684059	Phalguni Sadnani	Internship	Ehnotesoftlabs	3 months	Rs. 5000
3.	120420684009	Shakeela Saniya	Internship	Ehnote softlabs	3 months	Rs. 5000
4.	120420684015	Sakina Syed Asadullah	Project	Learned	3 months	-

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Mehdipatnam, Hyderabad.



CERTIFICATE FOR INTERNSHIP

TO WHOMSOVER IT MAY CONCERN

This is to certify that SADNANI PHALGUNI of St. Ann's College for Women, Hyderabad has successfully completed his/her role as USA MARKETING INTERN at EHNOTE SOFTLABS PVT LTD from 23rd December 2022 – 22nd March 2023. During this tenure you are entitled for a stipend amount of Rs. 5000/- per month as per company's policy.

During her/his course of internship, she/he demonstrated hard work, inquisitives, good communication & convincing skills to achieve the targets allocated to her/him within the designated time.

We wish him/her every success in her/his life, career and future endeavours.

EHNOTE SOFT LABS PVT LTD



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TRENDZ JR, 2B, 2nd Floor, Vittal Rao Nagar, Madhapur. Hvderabad-500081 Telangana





Mehdipatnam, Hyderabad.

2022-23

Paper presentations by students

Hall ticket No	Name	Title of the event	Title Of The Paper	Certificate link
1204-21- 503-002	Rubina Minhaz	International Multidisciplinary conference on "Innovations in science and technology for sustainable ecosystem challenges and	Assessment of Natural products as bioadsorbants for the removal of NO2 Assessment of Natural products as bioadsorbants for the	https://drive.goog le.com/file/d/1fz2 GgPwqXdNSW mOf7lMq0_E4Hl be7lbf/view?usp =share_link
1204-21- 503-004	Komal Rai	opportunities organised by Department of Botany and Food nutrition, RBVRR College, Hyd on 2 and 3 rd December 2022.	removal of NO2	https://drive.goog le.com/file/d/1Im PB_urpdj5zlOUf 1HYDxLTN7jG VU3Q7/view?us p=share_link
1204-22- 503-004	K.Akshara	National conference on "Recent advances in Green and sustainable chemical Sciences" at St Pious X Degree and PG college for women on 20 and 21st JAN 2023.	Review-Cow Dung as a Bioresource for Sustainability	https://drive.google .com/file/d/1pD5D tvXgvV4OLXipza RLxtZBfa6vLWa2 /view?usp=share_li nk
1204-22- 503-014	K. Sridheera			https://drive.google .com/file/d/1Dn7_ bsbYsbcnbV4iYW H38PLipzByaxa3/ view?usp=share_li nk
1204-22- 503-006	Isra sami Khan	National conference on "Recent advances in Green and sustainable chemical Sciences" at St Pious X Degree and PG college for women on 20	A Review: Click Chemistry Combats Cancer	https://drive.google .com/file/d/1qpdw _5F4 NWmihM5gCUR D5giNykejRX/vie w?usp=share_link

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Mehdipatnam, Hyderabad.

ST.ANN'S COLLEGE FOR WOMEN

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CERTIFICATE

This is to certify that the dissertation titled" A COMPARATIVE STUDY OF CYPROFLOXACIN DRUG AND IT'S DERIVATIVES FOR TYPHOID BY MOLECULAR DOCKING" is the Bonafide work submitted by BOLLARAM SHIRISHA bearing Roll No: 120420503028 under the Advanced learner program during M.Sc Chemistry in the year 2022.

K. Srilaxmi

Supervisor, Department of Chemistry (P.G)

M.Sugame

Mrs. M. Sujatha, Head of the Department of Chemistry Head of the Dept, Chemistry St.Ann's College For Women (E.G. Centre) Mehdipatnam-28.

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Mehdipatnam, Hyderabad.

REPORT ON ANTIOXIDANT AND ANTIPROLIFERATIVE ACTIVITIES OF CURCUMIN AND ITS DERIVATIVES

Background :

Turmeric is regarded as the *golden spice* with innumerable health benefits. Turmeric, scientifically known as *Curcuma longa* belongs to the Zingiberaceae family, genus Curcuma. Curcumin is a bright

yellow chemical produced by plants of the Curcuma longa species.Turmeric has been used in various traditional systems of medicine like Ayurveda, Siddha, and Chinese medicine for the treatment of various diseases. The diverse applications of <u>turmeric</u> include use in dietary spice, foods, textile industries, medicinal and <u>nutraceutical fields</u>.

Antioxidant :

Antioxidants are compounds that inhibit oxidation, a chemical reaction that can produce free radicals. Antioxidants scavenge free radicals from the body cells and prevent or reduce the damage caused by oxidation.Antioxidants are found in certain foods and may prevent some of the damage caused by free radicals by neutralizing them .Turmeric is a natural compound (polyphenol) called curcumin, which has both antioxidant and anti-inflammatory properties

Method:

In this study, antioxidant activity of three different samples of curcumin were tested using DPPH Radical Scavenging Assay

Principle:

DPPH free radical scavenging is an accepted mechanism for screening the antioxidant activity of plant extractsThe assay is based on the measurement of the scavenging capacity of antioxidants towards it. The odd electron of nitrogen atom in DPPH is reduced by receiving a hydrogen atom from antioxidants to the corresponding hydrazine.

Requirements:

DPPH chemical, sample extract, test tubes, pipettes, tips, spectrophotometer

Steps:

- 1. Stock solution of 0.005% DPPH in buffered methanol solution is taken
- 2. Sample to be tested are prepared by dissolving 1µg sample in 1 ml ethanol
- 3. Take 5 test tubes , add different concentrations of sample in increasing order are added
- 4. To each test tube 1 ml of DPPH solution is added
- 5. The test tubes are allowed to incubate for 30 min in the dark
- 6. Absorbance is measured at 517nm using a spectrophotometer
- 7. Calculations : % inhibition = $(Ao-At / Ao) \times 100$

2022-23

R-21, M.Sc II year

Molecular Docking

S.No.	Hall Ticket No	Name of the Student	Title of the Project
1	120421503001		MOLECULAR DOCKING OF ZAFIRLUKAST DRUG AND ITS ANALOGUES FOR BRANCHIAL ASTHMA.
2	120421503002	Rubinah Minhaj	Ellagic Acid medication and its equivalents' molecular docking



1	1	
		for Mycobacterium tuberculosis
120421503003	Erum Tahreen Muskan	MOLECULAR DOCKING OF NELFINAVIR DRUG AND ITS ANALOGUES FOR SARS COV2
120421503004	Komal Rai	MOLECULAR DOCKING OF SITAGLIPTIN DRUG AND ITS ANALOGUES FOR DIABETES
120421503005	Ayesha Mohd Sayeeduddin	Molecular docking of Levantinid drug and its derivatives for Endometrial Cancer
120421503006	Ayesha Fatima	Molecular docking of abemapiclib drug and its analogues for breast cancer.
120421503008	Bukke Uma Maheswari	Molecular docking of Peramivir and its derivatives for Influenza
120421503009	Siddiqua Naaz	Molecular docking of chloroquine drug and its analogues for Malaria.
120421503010	Umme Kulsum Fatima	Molecular docking of Baricitinib drug and its analogues for Rheumatoid arthritis .
120421503013	Dadapur Sanjana	molecular docking of Telaprevir molecule and its analogues for Hepatitis C
120421503014	G Tejaswini	molecular docking of Sulfopin molecule and its analogues for Lung cancer
120421503015	Singeetham Sravani	MOLECULAR DOCKING OF IMIQUIMOD DRUG AND ITS ANALOGUES FOR CERVICAL CANCER.
120421503016	Mallula Yamini Sai	Molecular docking of Quinolone and it's analogous of pneumonia
120421503017	B Naga Mounika	Molecular docking of Belzutifan and it's analogous of kidney cancer
120421503018	Afifa Fatima	Molecular docking of methotrexate its analogues for bone cancer
120421503020	Gattu Kalyani	Molecular docking of Erlotinib and its analogous for Pancreatic cancer
120421503021	Kalyani Bonda	Molecular docking of 1H-pyrido(2.1-b)-benzthiazole-1-one,4- acetyl and its derivatives for Dengue
120421503024	Sirla Bhagyalakshmi	Molecular Docking of AIDS:HIV protease: PDB:4NJT:molecule:Darunavir
120421503025	Sallam Rakshitha	Molecular Docking of Pioglitazone and its analogues for Diabetes
	120421503004 120421503005 120421503006 120421503008 120421503009 120421503010 120421503013 120421503014 120421503014 120421503016 120421503017 120421503020 120421503021 120421503024	120421503004Komal Rai120421503005Ayesha Mohd Sayeeduddin120421503006Ayesha Fatima120421503008Bukke Uma Maheswari120421503009Siddiqua Naaz120421503010Umme Kulsum Fatima120421503013Dadapur Sanjana120421503014G Tejaswini120421503015Singeetham Sravani120421503016Mallula Yamini Sai120421503017B Naga Mounika120421503018Afifa Fatima120421503020Gattu Kalyani120421503021Kalyani Bonda120421503024Sirla Bhagyalakshmi