



## GOVERNMENT DEGREE COLLEGE, KHAIRATABAD

### JIGNASA- STUDENT STUDY PROJECTS

#### Introduction:

Research and innovation play an important role and always occupies a prominent space in developing the nation. Students at UG level truly look for innovative and research practices at college to explore new areas of research.

- To inculcate and promote research attitude among the students in Government Degree Colleges, Commissionerate of Collegiate Education (CCE), Telangana, Hyderabad has initiated the “**Jignasa - Student study projects**” from academic year 2015-16.
- **Jignasa – Student Study Projects** competitions are conducted at various levels like college level and State level with some necessary guidelines with 14 subjects.
- Each study project comprises one Project supervisor with minimum 5 students and maximum 6 students.
- The best projects were selected at college level per each subject and then send for state level selections with a brief synopsis and a five min video.
- The projects selected at the state level were presented in the presence of state level jury members.
- At the state level three best study projects were declared as winners.
- The cash award for I prize is Rs. 30,000/- (Rs. 25,000/- for students and Rs. 5000/- for the lecturer mentoring the students), II prize is Rs. 18000/- (Rs. 18,000/- for students and Rs. 3000/- for the lecturer mentoring the students) and III prize is the commendable prize.

#### Objectives:

- To inculcate and imbibe the research attitude among the student community
- To determine the area of interest and facilitating learning through the collaborative work.
- To promote the passion for novel thinking and problem solving.
- To make the communication skills more effective in delivering the research content of the project executed.

**Ms.Chandana**

**JIGNASA coordinator**

**Dr.B.Rajendra Kumar**

**Principal and Chairman**

## ACADEMIC YEAR 2018-19

The college has sent 14 projects for the state level competitions and five got selected for final round. Physics got 1<sup>st</sup> prize JIGNASA -2019.

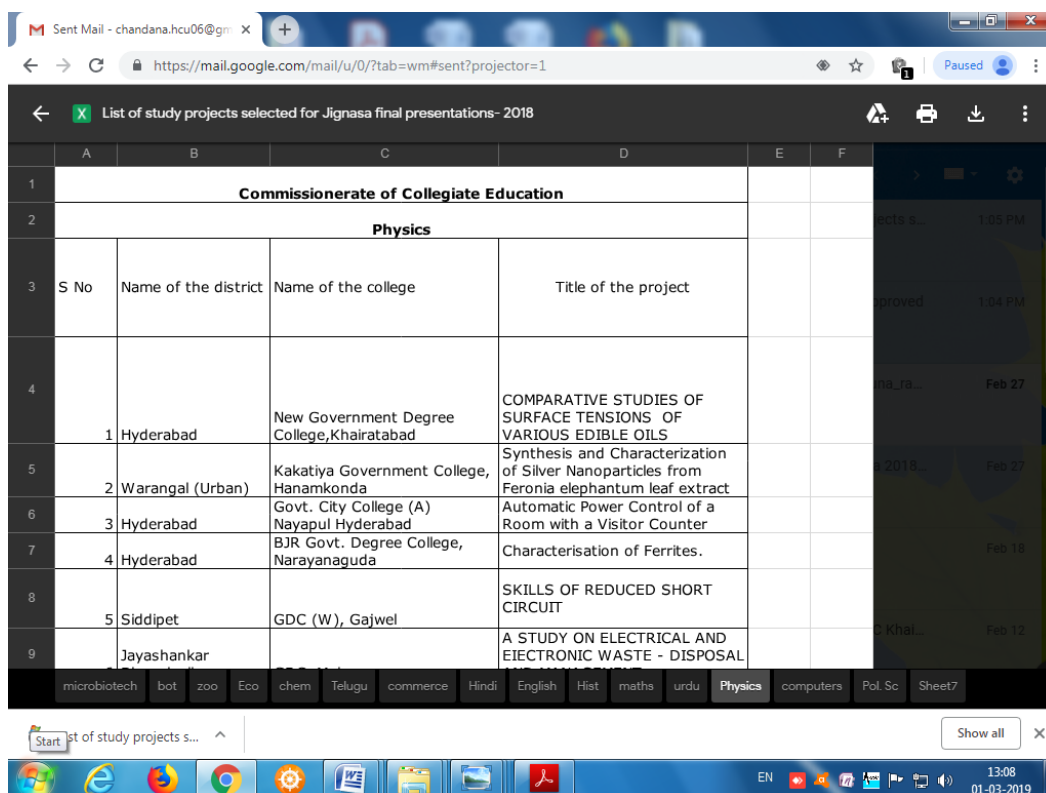
### **STUDENT STUDY PROJECTS:**

“COMPARATIVE STUDIES OF SURFACE TENSIONS OF VARIOUS EDIBLE OILS”

#### **Investigators :**

P.Rakesh Yadav – IIMPCs -1140-17-468-023  
V.Ramu – IIMPCs - 1140-17-468-029  
K.Pranay – IIMPCs - 1140-17-468-012  
A.Mamatha – IIMPC – 1140-17-441-002  
Vivek – IMPCs-1140-18-468-026  
K.Ramesh – IMPCs -1140-18-468-068

**Supervisor :** Smt.N. Chandana, Asst. Prof of Physics, Govt. Degree College, Khairatabad



Sent Mail - chandana.hcu06@gmail.com

https://mail.google.com/mail/u/0/?tab=wm#sent?projector=1

List of study projects selected for Jignasa final presentations- 2018

S No	Name of the district	Name of the college	Title of the project
1	Hyderabad	New Government Degree College, Khairatabad	COMPARATIVE STUDIES OF SURFACE TENSIONS OF VARIOUS EDIBLE OILS
2	Warangal (Urban)	Kakatiya Government College, Hanamkonda	Synthesis and Characterization of Silver Nanoparticles from Feronia elephantum leaf extract
3	Hyderabad	Govt. City College (A) Nayapul Hyderabad	Automatic Power Control of a Room with a Visitor Counter
4	Hyderabad	BJR Govt. Degree College, Narayanaguda	Characterisation of Ferrites.
5	Siddipet	GDC (W), Gajwel	SKILLS OF REDUCED SHORT CIRCUIT
6	Jayashankar		A STUDY ON ELECTRICAL AND ELECTRONIC WASTE - DISPOSAL

microbiotech bot zoo Eco chem Telugu commerce Hindi English Hist maths urdu Physics computers Pol. Sc. Sheet7

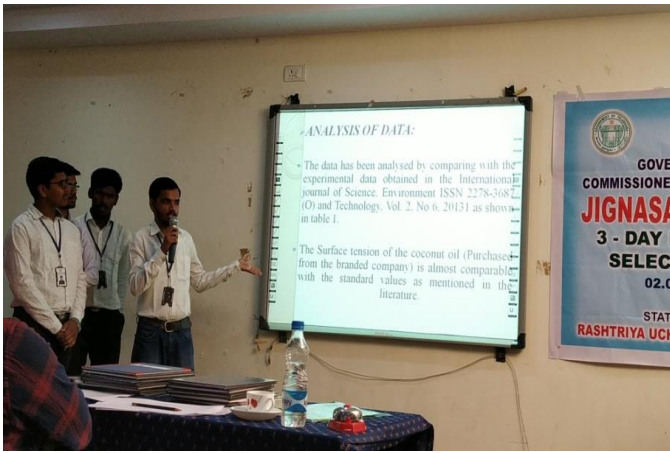
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## On 05.02.2019 State level presentation







**JIGNASA PRESENTATION CEREMONY: 16.02.2019**

Our student study project got first prize in State level student study project competitions- JIGNASA- 2018 in Physics and the team was awarded Rs 30,000 cash prize along with the supervisor Smt.N.Chandana,Asst.Prof of Physics on 16.02.2019 at Potti Sreeramulu University, Hyderabad by CCE,Telangana.

list of winners approved - Adobe Acrobat Reader DC

Sl. No.	Subject	Rank	Institution	Project Title	Supervisor
4	Physics	First	New Government Degree College, Kharatnabad	Comparative studies of surface tensions of various edible oils	Mrs N.Chandana
		Second	NTR Govt.Degree College For Women, Mahabubnagar	Objects Counting Machine	Mr K. Rajenderji
		Commendable	Government City College (A) Nayapul Hyderabad	Automatic Power Control of a Room with a Visitor Counter	D.Chiruni Krishna
5	Chemistry	First	Government City College (A) Nayapul Hyderabad	Correlating silica content in drinking water with kidney failure in Telangana- A Basic study	Dr.A.Dayanand
		Second	Nagarjuna GDC, Nalgonda	Identification of insecticides and pesticides present in fruits and vegetables taken from various sources	Dr.B.Bisamatah
		Commendable	BJR GDC,	A Novel Approach for	Dr.A.Santhoshi

Signature Panel:

- P. Ramesh Yadav
- V.Ramu
- K.Pranay
- A.Mamatha
- D.Vivek
- K.Ramesh
- Amutha
- Susmitha
- U.Chandana
- G.Rani
- C.Anitha
- P.Maheshwari
- B.Bharath Teja
- S.Gathurka
- K.Madhu Kumar
- V.Aparna
- M.Laxman
- G.Anitha
- B.Harika
- K.Swathi
- Shashank P
- Mounika A
- P.Tejaswini
- G.Bhargavi
- Amathul Noor
- M.Srinlekha
- Farha Naaz
- R.Sai Yesashwini
- K.Haritha
- N.Poojitha

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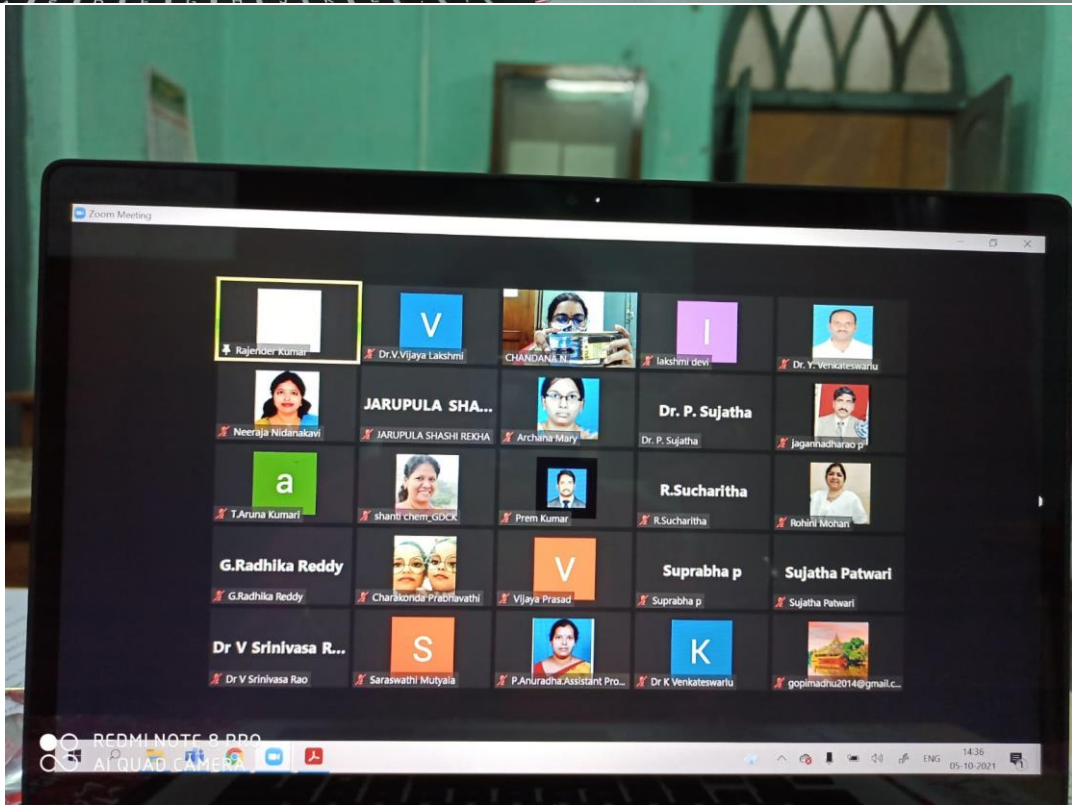
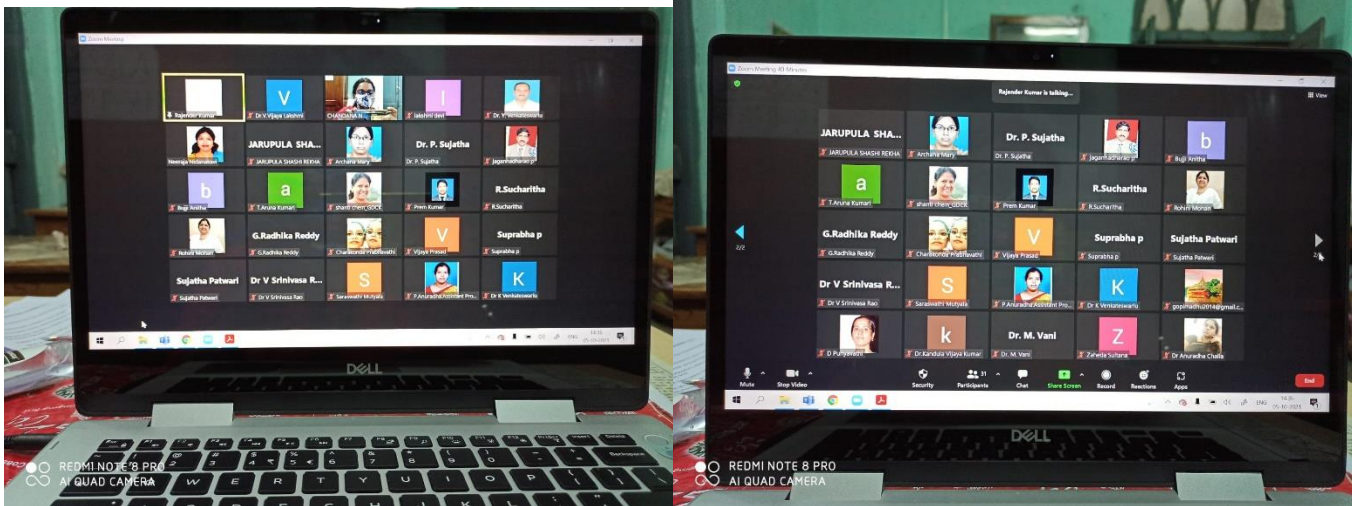






# ACADEMIC YEAR 2021-22

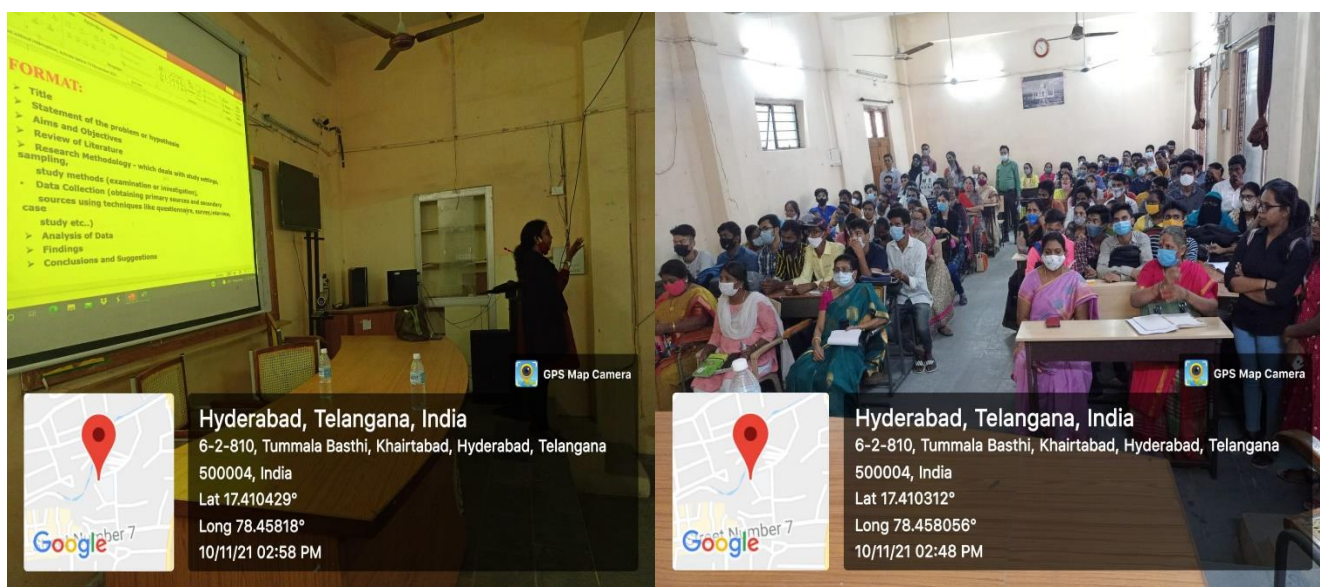
- JIGNASA proceedings for AY 2021-22 were released on 15.09.2021
- An awareness programme was conducted in online mode to all the teaching faculty of the college through Zoom platform on 05.10.2021 at 2.00pm. And all the project supervisors are informed to submit the project title and the supervisor name through a google form provided on or before 08.10.2021.



➤ **The list of projects titles along with supervisors received on 08.10.2021**

Name of the Supervisor	Subject	Project Title	Name of the co-supervisor
Dr.P.Anuradha	Zoology	Ecological studies on the population of Earthworms in and around the GDCK	
B.Anitha	Chemistry	Evaluation of physicochemical properties of common edible oils and fats.	
Dr K Venkateswarlu	Mathematics	Magic Squares and their Applications	
BANDARI PREM KUMAR	Telugu	Telugu bhasha parirakshana - sahitya samsthala seva.	
P. Sujatha	English	COVID 19 : Challenges or Nil	
Dr K Vijaya Prasada Roa	Zoology	A Study on Ecological Succession of few Lakes in Hyderabad for Sustainable use as Water Resources	
G. Radhika	Computer Science/Applic	WORAL- A Witness Orien No	
R. Rohini	Commerce	Impact of Covid on E-Commerce	
Dr.k padama	History	Related to history of hyd Nil	
Dr. P. Sujatha	Economics	Impact of covid in india or Dr. Ch. Anuradha	
Dr. Venkateswarlu Yadav	Bio-technology	Insilico analysis of efficacy of Remdesiver, chloroquine, Hydroxy chloroquine and 2DG on Covid 19	
Dr.K.Madhavi	Hindi	Devanagari Lipi- Mahatv -	
Dr P.Vijaya	Botany	Covid -19 Effects on stud Ms B.sofia Rani	
CHANDANA N	Physics	Edible salt - Physics approach	

➤ **As per the CCE and Principal instructions, an awareness programme was conducted on 10.11.2021 at 2:30pm to all the project students and project supervisors of JIGNASA on preparing synopsis of maximum 500 words and a 5min video on the project executed. And the last date to submit the project synopsis and 5min video is 20/12/2021.**





➤ On January 5<sup>th</sup> and 6<sup>th</sup> 2022 as per Principal's instructions review on PPTs:





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➤ All the participated students of JIGNASA -2022 were certified on 20.03.2022 in their respective parents' presence.

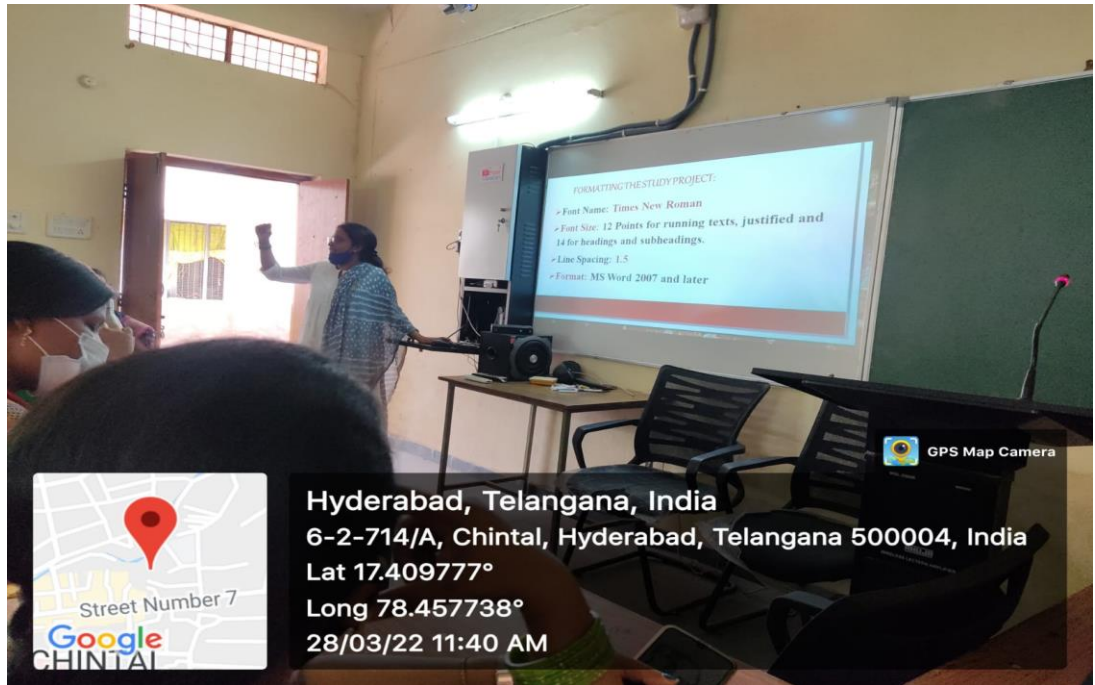




➤ The JIGNASA team has conducted a session on Report writing and Code of Ethics on 28.03.2022 to all the project supervisors and students of the selected 9 subjects among 14 total projects submitted to CCE.

- Botany
- Physics
- English
- History
- Economics
- Zoology
- Hindi
- Mathematics
- Biotechnology





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- All the project supervisors along with their students were made to present their respective project presentations **on 11.04.2022 and 25.04.2022** for the final state level competitions to be held from **28.04.2022 to 30.04.2022**.
- It's an honor and proudful moment that our college was one among the colleges to **host the State level competitions**.
- The following subjects were allotted to the college to conduct their state level presentations.
  - **Maths**
  - **Zoology**
  - **Economics and**
  - **History.**











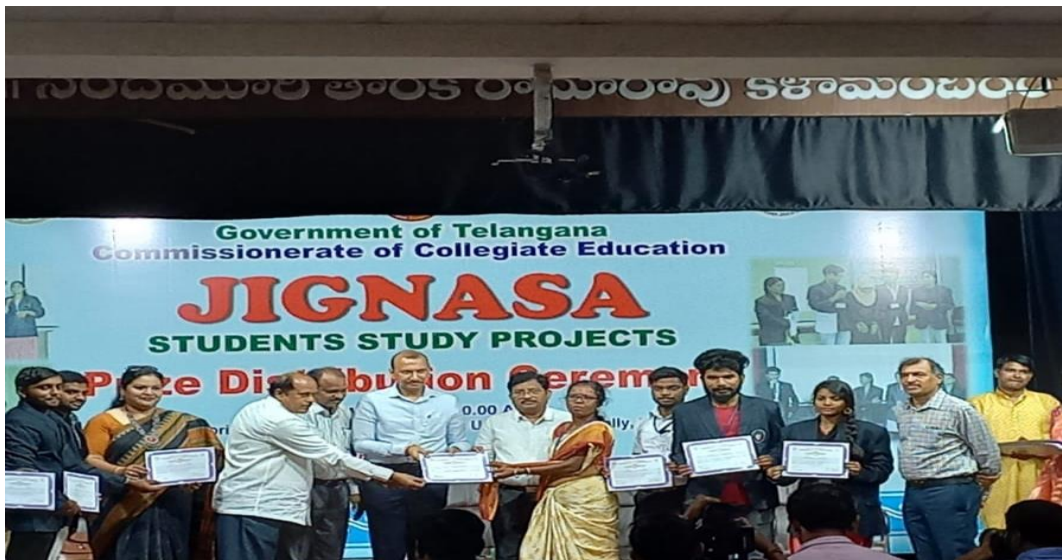


➤ **The college is extremely proud to have five winners for JIGNASA 2022 declared on 10.05.2022 by honorable CCE.**

- **Botany**
- **History**
- **Mathematics**
- **Zoology**
- **Economics**







**Government Degree College, Khairatabad, Hyderabad**

**JIGNASA-2021-22**

**List of Prize winners in JIGNASA-Student study project 2021-22**

**Subject: Zoology (II prize)**

<b>S.No</b>	<b>Name of the student</b>	<b>Year and Group</b>	<b>Hall ticket No</b>	<b>Title of the project</b>	<b>Name of the superviror</b>
1	Manish Jamapala	III yr-ANBZ	114019340013	A study on the ecological succession stable of few surface water bodies (lakes and ponds) in Hyderabad for sustainable use as water resources	K. Vijaya Prasada Rao, Assistant Professor of Zoology
2	Gummadi Soumya	III yr-ANZC	114019464007		
3	Niqath Tasleem	III yr-ANZC	114019464012		
4	S. Jhansi Priya	III yr-ANZC	114019464016		
5	Vangala Sri Alaya Thanmay	II yr-BZC	114020445108		

**Subject: Botany ( II prize)**

<b>S.No</b>	<b>Name of the student</b>	<b>Year and Group</b>	<b>Hall ticket No</b>	<b>Title of the project</b>	<b>Name of the supervisor</b>
1	K.Ramya Sree Satya	III yr - MBZ	114019341010	Impact of COVID-19 on student's health and psychology	Dr. P. Vijaya Assistant Professor of Botany
2	Farhana Begum	III yr - ANBZ	114019340008		
3	Tasleem Fathima	III yr – ANBZ	114019340016		
4	Khusbu Kumari	III yr - ANBZ	114019340016		
5	Venkata Harish Chandra	II yr - BZC	114020445041		



**Government Degree College, Khairatabad, Hyderabad**

**JIGNASA-2021-22**

**List of Prize winners in JIGNASA Student study project 2021-22**

**Subject: History ( II prize)**

<b>S.No</b>	<b>Name of the student</b>	<b>Year and Group</b>	<b>Hall ticket No</b>	<b>Amount</b>	<b>Cheque No. &amp; Date</b>
1	M. Dhanunjay	I yr- HPP	114021156016	Museums in Nizam State (1724-1948 A.D)	Dr. K. Padma, Assistant Professor of Botany
2	Abdul Munayeem	I yr- HPP	114021256001		
3	Ravi Sharma	I yr- HEP	114021129083		
4	Salaganti Sai	I yr- HPP	114021156029		
5	Oinem Prem Singh	I yr- HEP	114021129082		
6	Kolluri Shirdeh	II yr- HEP	114020129055		

**Subject: Mathematics (II prize)**

<b>S.No</b>	<b>Name of the student</b>	<b>Year and Group</b>	<b>Hall ticket No</b>	<b>Title of the project</b>	<b>Name of the supervisor</b>
1	D. Rahul	III yr - MSCS	114019467023	Magic Squares and their applications	K. Venkateswarlu, Assistant Professor of Mathematics
2	K. Vaishnavi	III yr - MSCS	114019467035		
3	M. Meena	I yr - MPCS	114019467046		
4	A. Supriya	I yr - MPCS	114021468057		
5	K. Santhosh	I yr - MPCS	114021468057		
6	V. Srujana	I yr - MPCS	114021468116		

**Subject: Economics (III prize)**

<b>S.No</b>	<b>Name of the student</b>	<b>Year and Group</b>	<b>Hall ticket No</b>	<b>Title of the project</b>	<b>Name of the supervisor</b>
1	E.Kushal Kudeer	B.A III HEP	1140-19-129031	An Empirical Study of CESS on Petrol(With Special Reference to CESS in Telangana)	Dr.P.Sujatha
2	P.Premnath Reddy	B.A III HEP	1140-19-129093		
3	K.Neelima	B.A III HEP	1140-19-129085		
4	A.Avinash Chaturvedi	B.A III HEP	1140-19-129007		
5	I.Siva Teja	B.A III HEP	1140-19-129041		
6	Sai Deepak Chari	B.A III HEP	1140-19-129017		