## **KAKATIYA GOVERNMENT COLLEGE**

### HANUMAKONDA, TELANGANA STATE – 506001

(Affiliated to Kakatiya University, Warangal)

(e-mail:warangal.jkc@gmail.com, website: https://gdcts.cgg.gov.in/hanamkonda.edu)



## **Criterion -I**

**Metric: 1.3.3** 

Percentage of students undertaking Project Work/ Field Work/ Internships

# STUDENTS VISITED TO GREEN HOUSE AND POLY HOUSE, KAKATIYA UNIVERSITY, WARANGAL.









# STUDENTS VISITED TO CULTURE ROOM AT DEPARTMENT OF BIO-TECHNOLOGY, KAKATIYA UNIVERSITY, WARANGAL.





# LIFE SCIENCE STUDENTS ARE VISITED TO BIO-TECHNOLOGY LABORATORY





# STUDENTS ARE VISITED TO ZOOLOGY DEPARTMENT, KAKATIYA UNIVERSITY, WARANGAL.



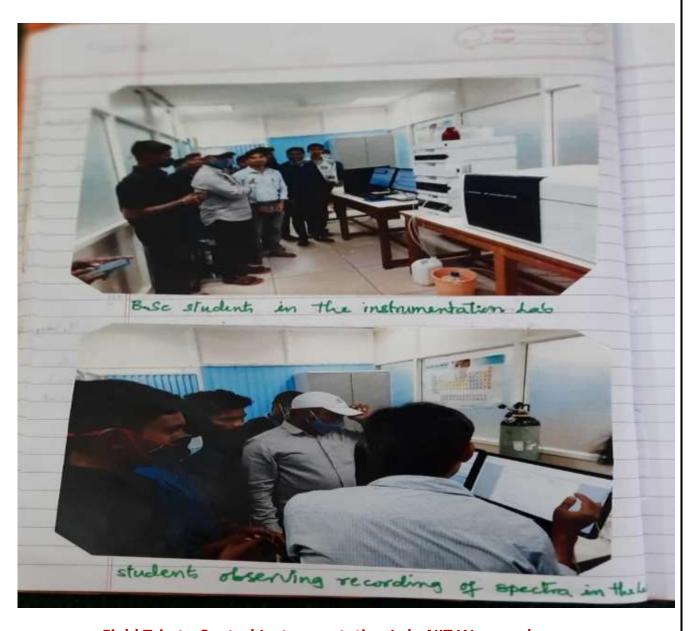


STUDENTS VISTIED TO DEPARTMENT OF MATHEMATICS, KAKATIYA UNIVERSITY, WARANGAL.

### STUDENTS VISITED TO KAKATIYA UNIVERSITY, WARANGAL







Field Trip to Central Instrumentation Lab, NIT Warangal

#### STUDENTS VISITED TO NIT WARANGAL









The Department of English made a trip to Fort Warangal. The students have learnt about the wonderful Sculpture of Kakatiyarulers. They made a note of the structures and try to attempt write-ups on the beautiful constructions in Fort Warangal. The field trips aims at bringing out the inherent creative talents of the students.





STUDENTS VISTIED TO WORLD LIFE SANTUARY, MALLURU, ETURNAGARAM

### STUDENTS VISITED TO CENTRAL LIBRARY











The students interacting with the villagers to know the credit resources in Pathipaka village of Shyampet mandal in Warangal district.





STUDENTS VISITED TO KUMARAPALLY FISH MARKET

#### STUDENTS VISITED TO MAULANA AZAD NATIONAL URDU UNIVERSITY, HYDERABAD









## COMMISSIONERATE OF COLLEGIATE EDUCATION, HYDERABAD, TELANGANA STATE.

#### PROCEEDINGS FOR JIGNASA STUDENT PROJECTS

# Proceedings of the Commissioner Collegiate Education, Telangana :: Hyderabad.

# Present: Sri.Navin Mittal, IAS

Collegiate Education- Jignasa Student Study Projects-2021- List of Selected Student Study Projects for State Level Presentation-Sub

Ref: File No. CCE-AC/JIGN/1/2021-ACADEMIC CELL Dated:15.09.2021

Commissionerate of Collegiate Education gives prominence to provide the opportunity to the students of all Government Degree Colleges to explore problems and challenges which have real world applications through project based learning. Learning through projects also increases the possibility of long-term retention of what students have learnt and establishes the linkage between theory and practice.

In view of the above, the Department has received a total of 855 Study Projects from all the Government Degree Colleges in 15 subjects. The projects were evaluated by a committee consisting of subject experts who have an aptitude for research and innovation. Out of 855 Projects, 285 projects have been selected in 15 subjects for state level presentation.

The subject wise selected list of Jignasa Study Projects for State Level Presentations is placed in the Annexure - I

In this regard, all the Principals of GDCs as per the Annexure-I are directed to ensure that the Mentor/Supervising faculty shall guide the students and prepare them thoroughly for state level presentations. Further, the Principals also instructed to send the soft copies of full length Study Projects which are selected for State Level Presentations by 18th April, 2022 to Jignasa-ce@telangana.gov.in and instruct the faculty supervisors to submit the hard bound copies at the time of

-	Towns and the second	Name of the	Subject	Name of the Project	Name of the Supervisor
21	<b>District</b> Adilabad	GDC (A&C) Adilabad	Telugu	డాక్టర్, సింగిరెడ్డి నారాయణ రెడ్డి జీవితం మరియు రచనలు	K. Rekha
22	Hanamkonda	GDC	Telugu	తెలంగాణ భాష-విశేషాలు- పరిరక్షణ చర్యలు	దా. P. సాయిలు
22		Hanamkonda GDC Parkal	Telugu	Upa Kulalu Maarmika Bhasha - Uniki,	Gajavelli Eeshwar
23	Hanamkonda	GDC Parkar	Telugu	Asthitvam Girijana samskruthi sahityam	Dr.B. Bheemamma
25	Hyderabad Hyderabad	Nampally  GDC Nayapul	Telugu	Telangana Pathyagranthalu- Sahitya, Samskrutika, Charitraka, Samajika Mulalu	Dr.J.Neeraja
26	Jagtial	GDC Metpally	Telugu	దృశ్య మాద్యమంలో జానపద గేయాలు – పరిశీలన	డా.బూర్డ్ చం(దశేఖర్
27	Jangaon	GDC Jangaon	Telugu	పాల్కురుకి సోమన సాహిత్య ప్రప్రప్రయల్క అధ్యయనం	B.Seetharam ulu
28	Kamareddy	GDC Kamareddy	Telugu	దోమకొండ సంస్థానం- సాహిత్యం	Dr.V.SHANKA RAIAH
29	Karimnagar	GDC (W) Karimnagar	Telugu	తెలుగు చలన చి[తాలు- డాసి.నారాయణ రెడ్డి విరచిత గీతాల్లో-"(స్త్రీ"	Naroju Venkata Ramana
30	Mahabubaba	GDC Mahabubabad	Telugu	తెలంగాణ ఉద్యమం-పాట	Rama Rathnamala
31	d Mahabubnag ar	GDC (W) Mahabubnaga	1	Telugu saamethalu (proverb)	V Pushpalatha
32	Mahabubnag ar	GDC A Mahabubanag ar	Telugu	పాలమూరు ప్రభాత వీచిక గోన. బుడ్గా రెడ్డి	Dr Laxmaiah
33	Mancherial	GDC Luxettipet	Telugu	బంజారా స్ట్రి గేయ సాహిత్యం -ఒక పరిశీలన	Dr. S. Harish Kumar
34	Mancherial	GDC Mancherial	Telugu	తెలంగాణకు హరిత హారం-కవిత దోరణులు	M.V Patwardhan
35	Medak	GDC Medak	Telugu	Swatanthrya amrutotsavalu- Swatanthrya spoorth	M.Venugopa Sharma

S.No	District	Name of the	Subject	Name of the Project	Name of the Supervisor
36	Nagarkurnoo	GDC GDC Kalwakurthy	Telugu	Palamuru Jilla Janapada geyaalu- adhyayanam.	Saldalah, M
37	Nagarkurnoo	GDC	Telugu	Jignas on chenchula samskruthi	K Krishna Gopal
38	Nirmal	GDC Nirmal	Telugu	నిర్మల్ జిల్లా శతకవుల పరిచయం -పరిశీలన	ಟಿ ನಕ್ಕು ಯ್ಯ
39	Nizamabad	GDC A Nizamabad	Telugu	"ఇందూరు చిందు యక్షగానం సాంస్కృతిక వారసత్యం"	Dr N. Ambersingh
40	Ranga Reddy	GDC Hayathnagar	Telugu	Manam Marichina Mana Aatalu (Our Games which we forgotten)	Dr.Veldandi.S ridhar
41	Siddipet	GDC Gajwel	Telugu	డా.కూరెళ్ళువిఠలాచార్య వి ర్గలేశ్వర శతకం -సామాజిక స్పృహ	Antati. Balaswamy
42	Adilabad	GDC (S) Adilabad	Hindi	Vignapanome Hindi Bhasha ka Prayog Ek Vishleshan	T. Pratap Singh
43	Hanamkonda	GDC Hanamkonda	Hindi	Online vidhya,Hindi patra-patrikayen evam saahitya ke shroth	Dr.Gopireddy Leelavathi
44	Hyderabad	GDC (W) Begumpet	Hindi	Pathrikaritha - kab, kaha kyu aur kaise?	Dr. J. Saritha
45	Hyderabad	GDC (W) Nampally	Hindi	Subhadra Kumari Chauhan ka Vyaktitva avam Krititva	Bhagyavathi Shelar
46	Hyderabad	GDC Khairatabad	Hindi	Hindi bhasha-dev nagari lipi ka mahatv	Dr.K.Madhav
47	Hyderabad	GDC Nayapul	Hindi	भारत में डिजिटल शिक्षा की आवश्यकता	Dr. H. K.Vandana
48	Karimnagar	GDC Karimnagar	Hindi	PREMCHAND KI 'SADGATI' KAHANI MEIN DALIT SAMVEDANA	Dr.V.Vara Prasad
AQ.	Mahabubaba d	GDC Mahabubabad	Hindi	Kabeerdas Samaj Sudarakh	Dr.V.Mamat
50	Mahabubnag ar	GDC A Mahabubanag ar	Hindi	प्रस्तृत समाज में पुवना।,बदलते समाज में नव युवता	Dr.Swarupa Asst.Prof.in Telugu

C.V.		Name of the	Subject	Name of the Project	Name of the Supervisor
252	<b>District</b> Sangareddy	GDC A Sangareddy	Zoology	Antifeedant activity of certain plant extracts against teak leaf skeletonizer, Eutectona machaeralis	L. Mahesh
253	Sangareddy	GDC Jogipet	Zoology	TITLE "Descriptive Analysis of awareness about Soil pollution with its causes and effects among the citizens " OF ANDOLE MANDAL	A.Gopal
254	Wanaparthy	GDC (W) Wanaparthy	Zoology	Estimation of Haemoglobin levels in our college students	G. Sravanthi
255	Yadadri Bhuvanagiri	GDC Ramannapet	Zoology	Biodiversity of soil Arthropods in cotton field	Pattern Brahmam
256	Hanamkonda	GDC (W) Warangal	Biotechnology & Microbiology	Experimental Study of Microbial Fuel Cell for electricity generation: Performance Characterization and Capacity improvement	Dr. G.Renuka
257	Hanamkonda	GDC Hanamkonda	Biotechnology & Microbiology	Green Synthesis of silvernanoparticles using achyranthes and its antimicrobial activity	R.Shyamala Chandra
258	Hyderabad	GDC (W) Begumpet	Biotechnology & Microbiology	Study of milk adulteration in Hyderabad	Dr.A.Madhuri, K.Bharathi Bai
259	Hyderabad	GDC Khairatabad	Biotechnology & Microbiology	Insilico analysis of efficacy of Remdesiver, Chloroquine, Hydroxy chloroquine and 2DG on Covid 19	Dr.Y.Venkate swarlu
260	Hyderabad	GDC Nayapul	Biotechnology & Microbiology	Status of Cervical Cancer and HPV Vaccination in Telangana	Dr. T. Raga Sudha
261	Medchal Malkajgiri	GDC Kukatpally	Biotechnology & Microbiology	A study on biocontrol of bacterial wilt disease of tomato	R.V.Ramchar dar

S.No	District	Name of the	Subject	Name of the Project	Name of the Supervisor
229	Siddipet	GDC (W) Siddipet	Botany	Garbage is recyclable & reusable for vermicompost	Sangl Godavari
230	Siddipet	GDC A Siddipet	Botany	Role of wheat grass juice in enhancement of Hb levels in college students	Dr.A.Shailaja
231	Suryapet	GDC Huzurnagar	Botany	identification of abundant freshwater algae in	M.Anii Kumar
232	Vikarabad	GDC Kodangal	Botany	Study of Diminishing Traditional Wealth for	R.Srinivas
233	Warangal	GDC Narsampet	Botany	Campus flora of Government Degree	Medisetti Narendar
234	Hanamkonda	GDC Hanamkonda	Zoology	Impact of Covid-19 in India.	Dr. V. Anil kumar , P. Shubashini, Dr. K. Ganesh
235	Hyderabad	GDC (W) Nampally	Zoology	FASD (Fatal Alcohol Spectrum Disorders)	Aamruth Kumar Lakkineni
236	Hyderabad	GDC Khairatabad	Zoology	A study on the ecological succession state of few surface water bodies (Lakes and Ponds) in Hyderabad for sustainable use as water resources.	Dr.K.Vijaya Prasada Rao
237	Hyderabad	GDC Nayapul	Zoology	Prevalence and risk factors of type 2 diabetes in several parts of Telangana state	Dr. Sridevi
238	Kamareddy	GDC Kamareddy	Zoology	Bio accumulation of heavy metals in fresh water	Tirumala. Malsoor
239	Karimnagar	GDC (W) Karimnagar	Zoology	Food Consumption And Lifestyle Pattern Of Obese Adolescents And The Impact Of Nutrition Intervention In Karimnagar District	Dr. S.SWETHA

S.No	District.	Name of the	Subject	Name of the Project	Name of the Supervisor
3.NO	District	Sangareddy Sangareddy		estimation of casein in various milk samples	kumari
187	Sangareddy	GDC Jogipet	Chemistry	Effect of environmental pollution on water bodies of study of Singoor project	Ch.Srikanth
188	Siddipet	GDC A Siddipet	Chemistry	Identification of elements affecting the soil health in and around Siddipet	Dr. Veerabathini Manohar
189	Suryapet	GDC Huzurnagar	Chemistry	To study the foaming capacities of soaps	K.Ravikumar
190	Wanaparthy	GDC (W) Wanaparthy	Chemistry	Water analysis - A study in various village of GDC(W) Wanaparthy students	Dr. K. Damodhar Reddy, Dr. K. Jagadeeswar aiah
191	Hanamkonda	GDC Hanamkonda	Mathematics	Golden Ratio and Its Applications	M.Venugopal & M. Radhika
192	Hyderabad	GDC (W) Begumpet	Mathematics	Application of mathematics in validation and verification of check digit	K Sri Koteswar Rac
193	Hyderabad	GDC Khairatabad	Mathematics	Magic squares and their Applications	Dr K.Venkatesw arlu
194	Hyderabad	GDC Nayapul	Mathematics	Application of Linear programming for Profit Maximization and Cost Minimization: A case study of SP Accure Labs Private limited ~ Pharmacy company in Hyderabad	
195	Hyderabad	GDC Vidyanagar	Mathematics	Applications of Mathematics in Nanotechnology	Dr.D. Malleswari
196	Kamareddy	GDC Kamareddy	Mathematics	Cryptography	A.Rajendher
197	Karimnagar	GDC (W) Karimnagar	Mathematics	Tricks in Vedic Mathematics	V.Radhakisha
198	Karimnagar	GDC Karimnagar	Mathematics	Large numbers in Ancient India	Dr.M.Archan

S.No	District	Name of the	Subject	Name of the Project	Name of the Supervisor
120	Medak	GDC Narsapur	Economics	Economic and social impact of Covid-19 on education system in Narsapur town	A. Anasurya
121	Medchal	GDC Malkajgiri	Economics	Study on the skin dwellers in Hyderabad	Dr. S. Ramesh
122	Nagarkurnoo I	GDC Kondanagula	Economics	A case study on Raithu welfare schemes in Telangana state	Ravi Parangi
123	Nizamabad	GDC Armoor	Economics	Impact of Food Fortification on Health	Dr. M.Kotaiah
124	Nizamabad	GDC Morthad	Economics	A study on Mission Bhagiratha	N.Rajaiah
125	Siddipet	GDC A Siddipet	Economics	MGNREGA: Source of Livelihood During The Pandemic Period – Evidence from Siddipet District in Telangana State	Dr.M. Sraddananda m
126	Siddipet	GDC Dubbak	Economics	తెలంగాణ వ్యవసాయ రంగంలో ప్రత్యామ్నాయ పంటల ఆవశ్యకత – నారాయణరావు పేట గ్రామం ఒక ప్రత్యేక అధ్యయనం	Ponnala.Sunit ha
127	Bhadradri Kothagudem	GDC Paloncha	Commerce	Consumer perception on e-banking transactions through mobile phones during Covid-19 pandemic	Parelli Sreenivas
128	Hanamkonda	GDC Hanamkonda	Commerce	"Awareness on Entrepreneurship Development and Start-ups among Rura Youth - A Case Study of Warangal District	Dr.S.Vinodar I Rao
129	Hyderabad	GDC Nayapul	Commerce	The study of Cryptocurrency growth and Assessment of Volatility with reference to Bitcoin and Ethereum currencies	Dr.K.Mallikar una Rao

	ELLE	of the		Name of the Project	Name of the Supervisor	
S.No	District	Name of the GDC	Subject	arms Impact of Fly Ash		
149	Bhadradri Kothagudem	GDC Paloncha	Physics	produced in Thermal power plants and Industries Remedial measures & Alternatives"	S,Rambabu	
150	Hanamkonda	GDC Hanamkonda	Physics	Energy Audit - KGC Hanumakonda - A case study	Dr.K.Narende r	
F	HEAT IN				Dr. Ch.Kanchana	
151	Hyderabad	GDC (W) Begumpet	Physics	Swachch Antariksh	Latha	
152	Hyderabad	GDC (W)	Physics	Some studies on eco- friendly glasses	Dr.P.Indira	
		Nampally	Physics	Salt -Physics approach	Chandana.N	
153	Hyderabad	Khairatabad	A CONSTRUCTION OF THE PARTY OF	Biomaterial		
154	Hyderabad	GDC Narayanagud a	Physics	Preparation and Applications for Medical Applications	Devalah	
155	Hyderabad	GDC Nayapul	Physics	The Role of physics in Criminal Investigation An Empirical Study.	Dr.S.E.Naina Vinodini	
156	Hyderabad	GDC Vidyanagar	Physics	Disaster Management - A Case Study of Recent Floods ( 2020 & 2021) in Hyderabad	Dr.J.Chinna Babu	
157	Kamareddy	GDC Banswada	Physics	Water overflow alarm	B Vinav	
158	Karimnagar	GDC Karimnagar	Physics	Exhibition of diffraction of laser light by using non- scientific (Non- conventional) materials	S.Krishna Prasad	
159	Medchal	GDC Kukatpally	Physics	Concave Face - An Optical Illusion	Dr. N. Vijaya Lakshmi	
160	Medchal	GDC Malkajgiri	Physics	Mechanical Oscillation of Lungs and Remove of Excess Mucus in COPD and Coronal patients		
161	Nalgonda	GDC A Nalgonda	Physics	Mobile robot in hospital logistics	M.Venkat Reddy	

S.No	District	Name of the	Subject	Name of the Project	Name of the Supervisor
3.110	District	GDC		(working model)	
162	Rajanna Sircilla	GDC Agraharam	Physics	Photo acoustic spectroscopy	Rajesh.K
163	Ranga Reddy	GDC Hayathnagar	Physics	Study of Marangoni Flow on Fluid Surfaces	Dr.Parvathalu Kalakonda
164	Sangareddy	GDC Sadasivpet	Physics	The solar heating and night cooling of surfaces	P.Rajireddy
165	Siddipet	GDC Gajwel	Physics	The Importance of energy audit at institutional level	M. Bhavani
166	Wanaparthy	GDC (W) Wanaparthy	Physics	Water Analysis (TDS, pH and Temperature ) in GDC Women Wanaparthy	R.Manjula , G. Vishnumurthy
167	Yadadri Bhuvanagiri	GDC Alair	Physics	Investigation of Urine Glucose using Refractometric Analysis	Dr. K.Haritha
168	Yadadri Bhuvanagiri	GDC Ramannapet	Physics	Electrical energy consumption in the college- A case study	Madhu Dharmapuri
169	Bhadradri Kothagudem	GDC Bhadrachala m	Chemistry	Determination of vitamin c in various fruits and vegetables and the role of vitamin c in Covid 19	D Veeranna 8 V Raga Suma
170	Hanamkonda	GDC Hanamkonda	Chemistry	Studies on Bio Ethanol production from waste Banana and Orange Fruits using Ecologically friendly methods	Dr. Vasam Sreenivas
171	Hyderabad	GDC (W) Begumpet	Chemistry	Hydrogen-fuel of the future	1. Dr. G.Pranitha, 2. Dr. Rafia Sultana
172	Hyderabad	GDC Nayapul	Chemistry	"Controlled release of Volatile organic compound by pH sensitive hydrogels"	Dr.Dayanand & Dr Viplav Duth shukla
173	Jangaon	GDC Jangaon	Chemistry	Assessment of Heavy Metals in Contaminated Soil and	Dr.J.Uma Rani

# PROCEEDINGS OF THE COMMISSIONER OF COLLEGIATE EDUCATION Government of Telangana: Hyderabad Present: Sri. Navin Mittal, I.A.S.

Rc No.8/Acad. Cell/Jignasa/2018

Sub: Collegiate Education- Jignasa - Student Study Projects, 2018-List of First, Second and Commendable Prize Winners of Jignasa Student Study Projects, 2018-19- reg.

Ref: 1.Proceedings of CCE Rc No.8/Acad.Cell/Jignasa/2018 Dated: 15.09.2018

- Proceedings of CCE Rc No.8/Acad. Cell/Jignasa/2018 Dated: 15.11.2018
- Proceedings of CCE Rc No.8/Acad. Cell/Jignasa/2018 Dated: 28.01.2019

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Student Study Projects provide numerous benefits for undergraduate students to get involved in research. Working as a group on a project enables the students to determine their area of interest and also facilitates learning through collaborative work. To provide wide exposure and help students discover their passion for research, the Commissionerate of Collegiate Education has initiated **Jignasa - Student Study Projects.** 

In continuation with the subject and references cited above the State Level presentation and selection of Jignasa- Group Study Projects programme was conducted from 02 to 05 February, 2019 at AV Degree College, Hyderabad. The students selected for State level presentations presented their projects with great interest and zest. After careful evaluation of the projects based on a set of parameters, the Judges who were invited from Central and State Universities selected the best projects for awarding First, Second and Commendable Prizes.

The Projects selected for First Prize shall be awarded with Rs 25,000/- cash prize for the group and Rs 5000/- for the Mentor/Supervisor. The Projects selected for Second Prize shall be awarded with Rs 18,000/- cash prize for the group and Rs 3000/- for the Mentor/Supervisor. The

projects selected for Commendable Project Work shall be awarded with a Certificate of Merit.

The list of Jignasa – Student Study Projects Prize winners is placed in the Annexure for information. The Mentors/Supervisors are instructed to submit one page (A4 Size) brief synopsis of the project covering aspects like Aim and Objectives of the project, Research Methodology, Analysis of Data, Findings, Conclusions and Suggestions for publishing in the Jignasa Magazine. The format for the synopsis is as follows:

· Font Style: Times New Roman

Font Size: 12

· Spacing: 1.5

The Synopsis of all the selected projects shall be mailed to jignasa.tgce@gmail.com on or before 9 February, 2019.

Validity unknown

Digitally signed by NAVIN MITTAL IAS

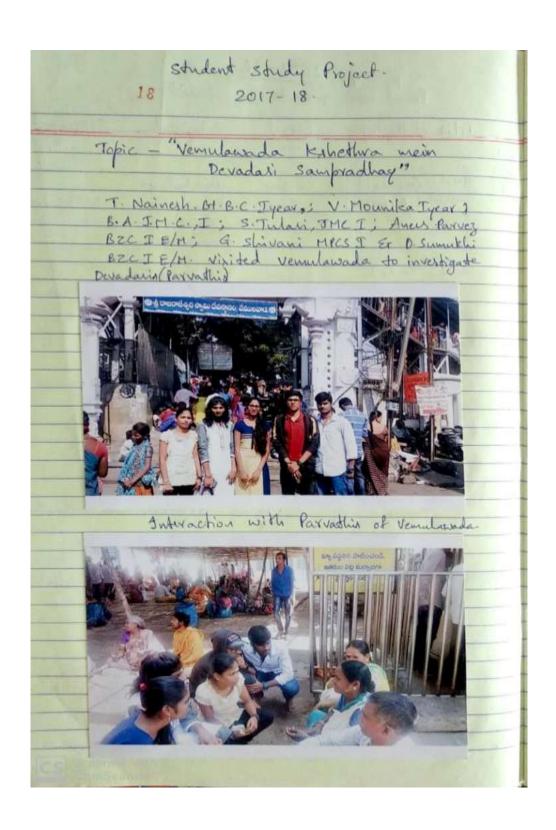
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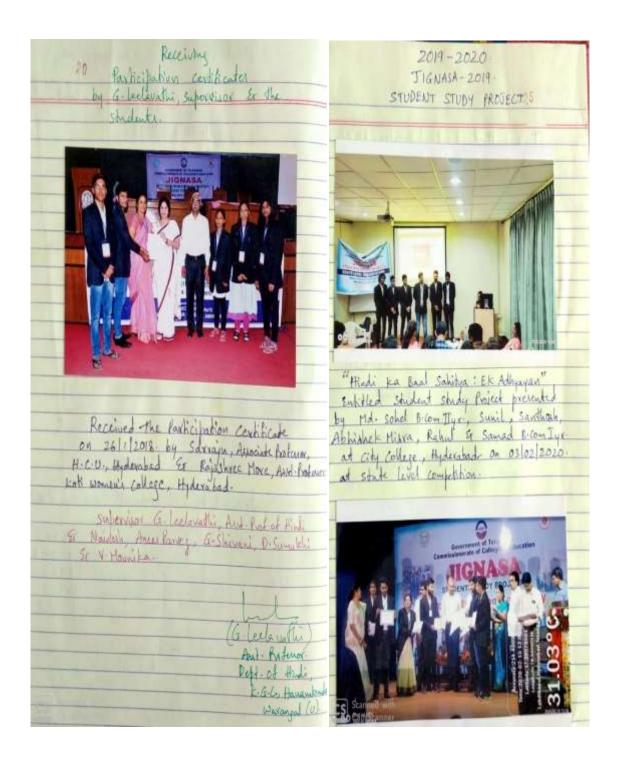
**Commissioner of Collegiate Education** 

#### **DEPARTMENT OF HINDI**

STATE LEVEL PROJECT PRESENTATION. Schident study project presented JIGNASA - 2017 . Title: "Venulawada Kihethra Mein Devadali Sampradhay" Date: 26-01-2018. supervised by : G. Leelavathi, Aust Prof of Hadi Presented by: T. Nainesh Bt. B.C.I. V. Mounika BA IMCI D. Sumukhi BZCI G. Shivani MPCS I Md. Aneez Parvez -BZC I Venne: INU Polytechnic College.
Hyderabad.











#### PARTICIPATION CERTIFICATE









Student Study Project selected to present at State Level Competition JIGNASA-2017 at J.N. Polytechnic College, Hyderabad on 26-01-2018.





Presented by 1) T. Na

- ) T. Nainesh, BTBC-I
- 2) V. Mounika, B.A (J.M.C)-I
- 3) D. Sumukhi, BZC-I
- 4) G. Shivani, MPCS-I
- 5) Md. Anees Parvez, BZC-I



#### **DEPARTMENT OF BIO-TECHNOLOGY**

#### JIGNASA - STUDENT STUDY PROJECT (2018-2019)

Name of the Topic: Invitro Plant regeneration of Momordica cymbalaria Fenzl.

**Under the Guidance of** 

R. Shyamala Chandra

**Asst.Prof of Biochemistry** 

V.Spoorthi



B.Sc Biotechnology III Year Students participated in State level Jignasa Student Study Projects.

Title of the Project: In vitro plant regenaration of Momordica cymbalaria Fenzl.

Under the Guidance of: R. SHYAMALA CHANDRA & V. SPOORTHI





#### STUDENT STUDY PROJECTS

Name of the Topic: Green synthesis of silvernanoparticles using Achyranthes and its antimicrobial activity.

#### **Under the Guidance of**

R. Shyamala Chandra

**Asst.Prof of Biochemistry** 







## **Department of Mathematics**

# JIGNASA STUDENT STUDY PROJECT-STATE LEVEL PRESENTATIONS







**Commendable Prize Winner (2019-20)** 





























APPRECIATION CERTIFICATE FOR JIGNASA PROJECT PRESENTATION