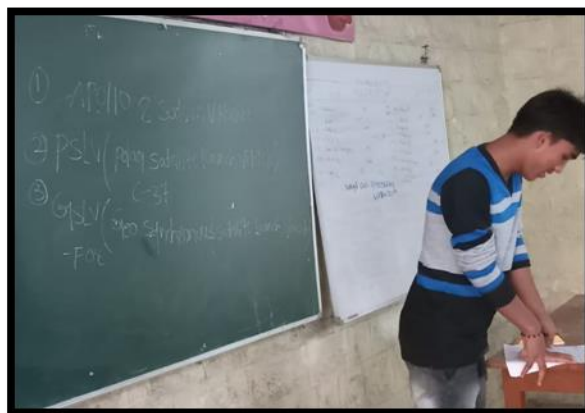


Vivekananda Government Degree college, Vidyanagar, Hyderabad.

Department of Physics
Activities 2018-19

1. Student Seminar

Student seminar was conducted on the topic 'Rocket System'. The five students were presented their presentation in the class room. They explained the rocket system in detail including the principle involved in it. They explained about combustion gas chamber, exhaust nozzle, fuels using in the rocket and velocity of the rocket. All the MPC and MPCS students were participated.



2. Quiz programme

Science quiz was conducted for the students of MPCs and MPC students on 10.09.2018. Students are divided into five Groups. Each group was consists of five members. There are three rounds in the quiz namely general round, Rapid round and visual round. All the students are participated enthusiastically and made the program success.

3.Inuaguration of Physics Lab:

The physics lab was inaugurated by principal Dr. S. Srinivas rao on 14.11.2018. Lab was equipped with all I semester experiments like compound pendulum, simple pendulum, fly wheel etc. The instruments like Vernier Calipers , Screw gauge, stop clocks, travelling microscopes etc were procured and installed in the lab. These are very useful to the students to get the hands on experience with the instruments for their practicals.



4. Science Day Celebrations

Science day celebrations was organized in the college on 27.2.2019 and 28.02.2019 in view of National Science Day. Students from department of physics presented their PPTs on Solar energy and digital Jewelry. Screening test was conducted for the students for quiz programme. The quiz was conducted for short listed candidates and they are divided into five groups namely Raman, Ramanujan, Darwin and Dolton groups. Students were displayed their models in the department of Physics.



Vivekananda Government Degree college, Vidyanagar, Hyderabad.

Department of Physics

Activities 2019 -20

1. Orientation Programme for UG I year students (Samarambham – 2019)

Orientation was conducted for the first year students and enlighten the students about CBCS, course structure and the facilities available in the college on organised with collaboration of IQAC.



2. Guest lecture

Department of Physics organized an extension lecture on “**Importance of nano technology**” for B.sc Physics students of Vivekananda Government Degree College, Vidyanagar on 11.02.2020 by **Dr. C.P.Vardhani**, Assistant Professor of Physics, Department of Physics, Osmania University.



3.Field Visit:

Visit to CCMB and NGRI “Open day”Organized by the Departments of Botany , Zoology Chemistry and Physics on 26.09.2019



4. Quiz:

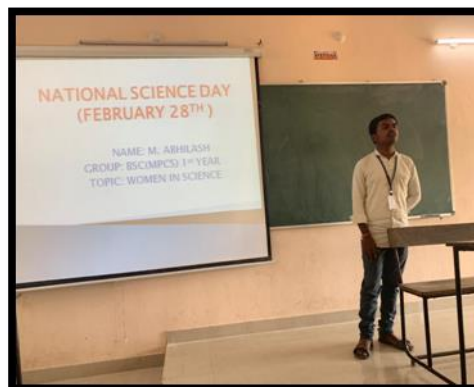
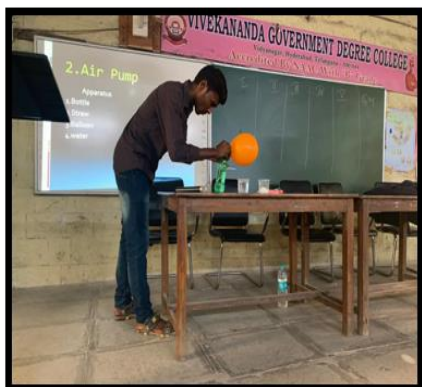


5. Student Seminars:

Student Seminars were organised by Departments of Physics.



6) National Science Day was organized by Department of Physics on 28/02/2020



7) Inter collegiate outreach programme:

Students were participated and won the II prize in quiz in Inter collegiate outreach programme at University level organised by Osmania University.



8) Haritha Haram

Participated in Haritha Haram Program organized by the college and planted saplings in the college premises.



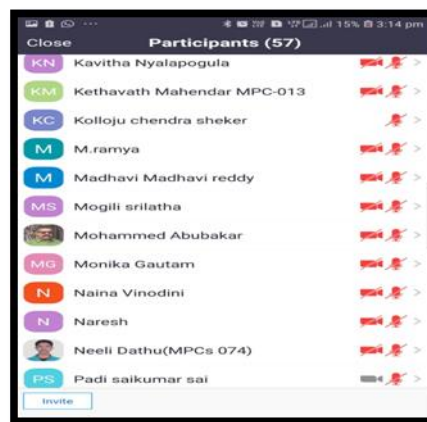
Vivekananda Government Degree college, Vidyanagar, Hyderabad.

Department of Physics

Activities 2020-21

1. Online Extension lecture on thermal radiation

Online Extension lecture on thermal radiation was delivered by Dr. M. Srinath Reddy, Assistant Professor of Physics Osmania University Hyderabad on 07-05-2020 through zoom platform apart from our college 60 participants (both staff and students) from various colleges attended the programme .

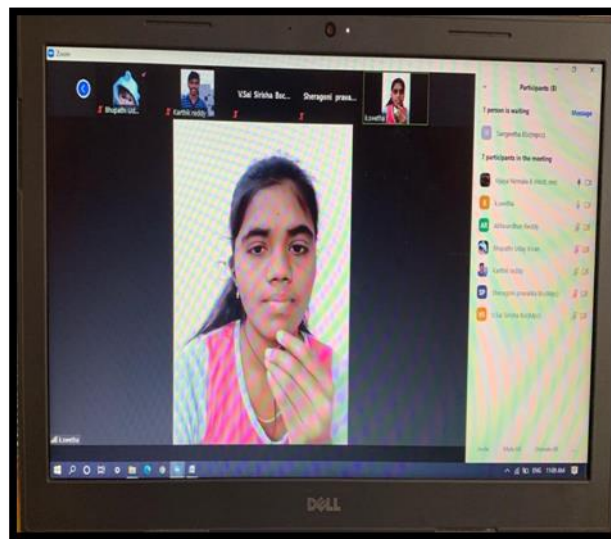


2. Online parent teacher meeting organized by Department of Physics:

Online parent teacher meeting was organized by Department of Physics on 15/5/2020 successfully and discussed about students participation in online classes, parents gave their positive feedback and were very happy about conducting online classes during the pandemic situation.



3) Online Student Seminars were Organised by Departments of Physics in May-2020 from 06-05-2020 to 09-05-2020



Students Seminar (offline)



4) Extension lecture

Department of Physics organized an extension lecture on “**Principles and Applications of Light**” for B.sc Physics students of Vivekananda Government Degree College, Vidyanagar on 22.03.2021 by **Dr. G. Upender**, Assistant Professor of Physics, Department of Physics, Nizam College, Osmania University



5) National Science Day was organized by Department of Physics on 28/02/2021





6) Science Exhibition

Participated and evaluated the science projects Exhibited by students.



7) Students Quiz

Students Quiz was organized by Department of Physics as part of National Science Day Celebration . the screening Test was conducted for all Students and top 30 Students were short listed and divided into five groups such as Nag , Agni , Akash , Trishul and Pruthvi.



8) Haritha Haram

Participated in Haritha Haram Program organized by the college and planted saplings in the college premises on 17/02/2021



Vivekananda Government Degree college, Vidyanagar, Hyderabad.

Department of Physics

Activities 2021-22

1. Student Seminar:

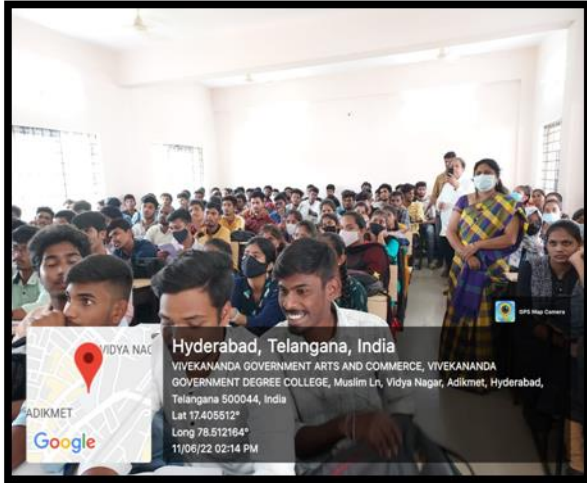
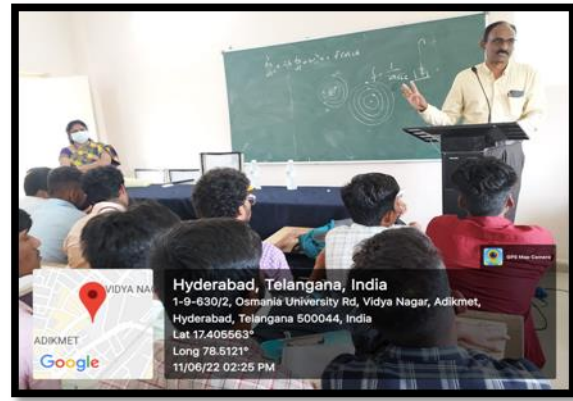
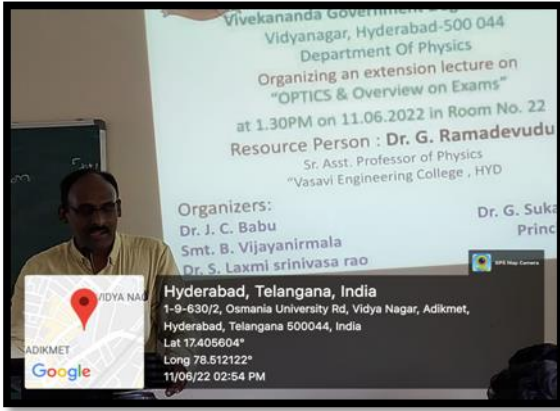


Student seminar of B.Sc II year Students

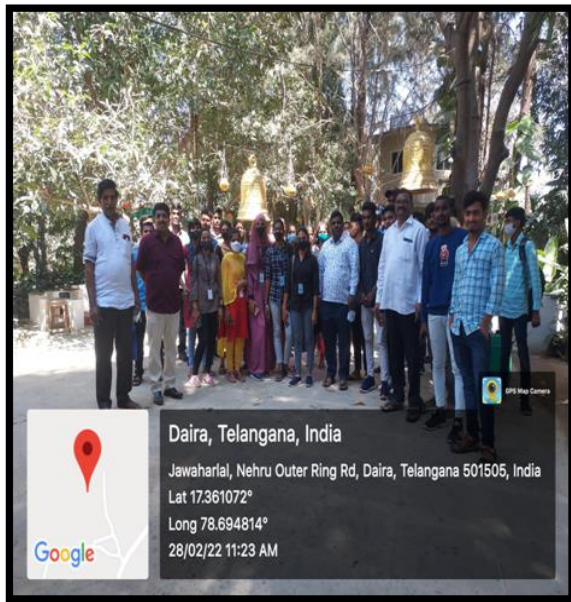


Student Seminar On Kinetic Theory of gases by B.Sc I year Students

2. Extension Lecture:



3. Field trip:



సైన్స్ విద్యార్థుల విజ్ఞాన వినోద యాత్ర



సవరణంగా-సిటీబ్యూరో

జాతీయ విజ్ఞాన దినోత్సవం సందర్భంగా సోమవారం వివేకానంద ప్రభుత్వ డిగ్రీ కళాశాలలో సైన్స్ విద్యార్థులు విజ్ఞాన వినోద యాత్ర చేశారు. తెలుగు అధ్యాపకులు డా.జె.భారతి సహకారంతో సంస్కృతి ఫౌండేషన్, కళాశాల సైన్స్ విభాగాల ఆధ్వర్యంలో ఈ యాత్ర కొనసాగింది. తారామతిపేట దగ్గర ఉన్న రైతు నేస్తం ఫౌండేషన్ వారు నిర్వహిస్తున్న సేంద్రియ వ్యవసాయ శిక్షణా కేంద్రాన్ని ఈ సందర్భంగా విద్యార్థులు సందర్శించారు. రైతు నేస్తం ఫౌండేషన్ అధినేత జి.నాగరత్నం నాయుడు తన 17 ఎకరాల్లో సేంద్రియ వ్యవసాయ పద్ధతులను అనుసరించి పండ్లు చెట్లు, పూల మొక్కలు, ఔషధ మొక్కలతో పాటు వివిధ రకాల పంటలను పండిస్తున్న తీరు, వాటి ఫలితాలు, చాభాలు, అధిక దిగుబడికి తోడ్పడే పద్ధతులను

వివరించారు. పద్మ శ్రీ గ్రహీత వెంకటేశ్వరరావు మాట్లాడుతూ రసాయన ఎరువులు, క్రిమి సంహారక మందులు వాడటం వల్ల ఆహారం కలుషితమై ఆరోగ్యం చెబ్బు తింటుందని తెలిపారు. దీనికి ప్రత్యామ్నాయంగా సేంద్రియ వ్యవసాయ పద్ధతులను అనుసరించి పంటలను పండించాలని కోరారు. 48 మంది విద్యార్థులు ఈ సందర్భంగా వ్యవసాయ క్షేత్రంలో కలియ తిరిగి, సేంద్రియ వ్యవసాయ పద్ధతులతో పండిస్తున్న విధానాలను ప్రత్యక్షంగా పరిశీలించి తెలుసుకున్నారు. ఈ విజ్ఞాన యాత్రకు కళాశాల ప్రిన్సిపాల్ డాక్టర్ జి.సుకన్య జెండా ఊపి ప్రారంభించగా డా.లక్ష్మి శ్రీనివాస్, ఈ.నర్సింగ రావు, డా.అవినాష్ రాజ్, ఎస్.రవి ప్రసాద్ అధ్యాపకులు శుభాకాంక్షలు తెలిపారు. భౌతిక శాస్త్ర అధ్యాపకులు డా.జె.చిన్న బాబు, వృక్ష శాస్త్ర అధ్యాపకులు మధు విద్యార్థులతో కలిసి ఈ యాత్ర పూర్తి చేశారు. కాగా ఇతర సైన్స్ అధ్యాపకులు డా.సౌజన్య ఎస్.శ్రీదేవి, విజయ నిర్మల, డా.మధేశ్వరి, ఎల్.విష్ణుప్రియ, పి.సురేఖ, ఎమ్.అనిల్ కుమార్, బి.అనిల్ కుమార్, పి.రవిచంద్ర కళాశాలలోని ఇతర విద్యార్థులతో వ్యక్తిత్వ వ్యాస రచన, రంగోలి పోటీలు నిర్వహించి, గెలిచిన వారికి బహుమతులు అందజేశారు.

4. Jignasa Study Project:

