

GUBS ACTIVITIES 2015-2016

The activities of **Gujarat University Botanical Society (GUBS)** for 2015-2016 were formally inaugurated by Prof. N. K. Jain, Professor and Head, Department of LifeScience, and Chief Guest for the function, on Wednesday 12th August-2015. The new **TEAM GUBS**, under the guidance and support of Dr. Hitesh Solanki , Staff- in- charge, GUBS for the year 2015-16, would coordinate various curricular, co-curricular and extra-curricular activities. Dr. Archana Mankad, Head, Department and Patron-GUBS welcomed the Chief Guest, Prof. N. K. Jain and provided a bird's eye view of the activities scheduled for the coming year. Prof. N. K. Jain inspired the students with his words of wisdom. The new Team was coroneted with Badges by Prof. N. K. Jain. The inaugural function was accompanied with icebreaking and a formal welcome of the new students in Botany, Bioinformatics and Climate Change Impacts Management courses.

Visit to Science City- 1st September, 2015.

Students reached Science city around 10 a.m. accompanied by Megha mam. Following her instructions, they first decided to see "Energy Park". This park had different sources of energy production from wind energy, solar energy, solar energy, geothermal energy. At the entrance of the park, there was a board. The board was divided into 12 subparts. So each part was designed in such a way you can easily compare how technology from Ancient time to our time. Alpesh one of the research scholars read and described the story of a Grandmother which described how she used to live in the early stages and how technology has changed our lives so much. Then Megha mam started explaining to the students how turbine works, she told them that each street light they saw in Science city had solar panel above it so basically solar panel above the light takes the energy from the sun and use it. Then the students were taken towards Petroleum oil rings where they were explained how

the production of petroleum takes place, then to Bio-gas plant, project of Sardar Sarovar dam, then the students also saw the Solar cooker. At last, students visited solar house where they explained all about energy generation i.e. solar house had 24 panels above it which is directly attached to 12v battery, so that the stored energy in that battery can be utilized in the house. Thereafter, students visited “Life science” Park, where they saw different forms of life. In Life Science Park, they saw Aromatics and Medicinal plants. All these activities were interesting and gave them hands on experience. Thereafter, they reached IMAX. IMAX is a big 3D theatre with advanced technology. Students collected their 3D glasses from the counter and went inside the theatre and decided to watch Hubble. Hubble is actually space telescope, so, the documentary described the NASA Astronauts mission to perform maintenance and repair Hubble telescope. The documentary was never seen before experience as it described the life of scientists, problems faced by them. Then, students had a break. After little rest, students moved for lunch into “Planet Earth”. Planet Earth was a unique dome structure and it was surprising for all to know that it is one of the largest dome in India. In the planet Earth, we started with coal mine, for that we went to ground floor of the dome, but part of the dome was that one could feel as if you are going at the depth of around 3000 feet from the Ground level. The guide-in charge explained how mining process is done. He told that how different mine workers and machine are used to dig the wall of coal. How the cutting machine and other equipments were used. After that students visited the “Planetarium”. Planetarium was basically semi-circular made dome where they explored the universe through space film, film described how the universe is made, what are stars, comets and how the energy get transformed when one star crossed the other. Then the students went to the third floor of the building which included the information related to different types of rocks and minerals. How different soils give the production of different crops and pulses. Then, the student had an activity that is

“Earthquake experience” where they get into the room in order to feel the earthquake. Room had television installed where professor explained how earthquake happens and the types of Earthquake. The students enjoyed their visit to science city and the day ended with both knowledge and fun. The entire trip was very informative and created huge interest among the students.



Students at Gujarat Science City with Dr. Megha Bhatt
Visit to Polo Forest-15th September, 2015

The students of climate change and impact management, Department of Botany, Bioinformatics and Climate Change and impacts management were taken for field visit at polo forest by the professor Dr. Megha Bhatt, accompanied by other administrators and research scholars. Polo forest is in Vijaynagar which comes under district Himmatnagar is a great heritage and a natural scenic place between a town. It is 80 km away from Ahmedabad and it takes 2.5 hours to reach the destination. It is surrounded by Aravalli ranges. It is a mixed deciduous forest and gives shelter to a lot of wild species of plants and animals. It is a beautiful place to visit during weekends. Students left for Polo forest on 15th September, 2015 early in the morning. At around 12 pm students reached the forest. The campsite at Polo forest was looked after by Mr. Mayur Rathod. He is a biodiversity Naturalist, who took care of a part

of forest and also, conducts camps for students and youngsters. The students had an interaction session with Mayur sir and they were introduced with some rules and regulations which they had to follow in campsite. The students then visited the base of the forest. They started inside the forest and walked along the line safely. The students were accompanied by a tribal person, Megha mam and research scholars who introduced them to the wild plant and animal species. The most amazing experience was to walk along those big stones seeing *Gloriosa superba*, a rare plant species and it also looked like flames. They saw a signature spider too. The students saw Shikakai tree with dried fruits. This place also had a lake like water body in which the local children came to swim. The students played and swayed on the entrance of the campsite where there was a huge banyan tree. In the evening, they visited a local dairy. In the dairy, they saw a machine which tells how much water is added in the milk. It allowed only some acceptable amounts but not more than that. The students were explained that after supplying enough milk to the villager the extra only went to the dairy and then to bigger processing unit for further supply. After returning to the base camp, students taught meditation and they interacted with each other regarding the dairy industries, agriculture and also talked regarding meditation. After the interaction, students had dinner. Then they went for star gazing. For all the students, it was the first experience of star gazing in an informative manner with the help of laser beam, sir introduced them the famous constellations. The students saw constellations like Cassiopeia, Gandhi star, Saptarishi, Jesus cross etc. Next day students were lucky to watch bird like grey hornbill. After breakfast students left for trekking and with great efforts students reached the top and saw the amazing scene of the whole place. They saw a variety of species of butterflies. On the way downwards students saw amla trees. Students reached the polo heritage in the afternoon. After that, they visited Harnav dam. The students saw millions of fireflies there. The sight was magical. They also felt fireflies on their palms. The

students had an amazing time amidst nature and experiencing and gaining knowledge.

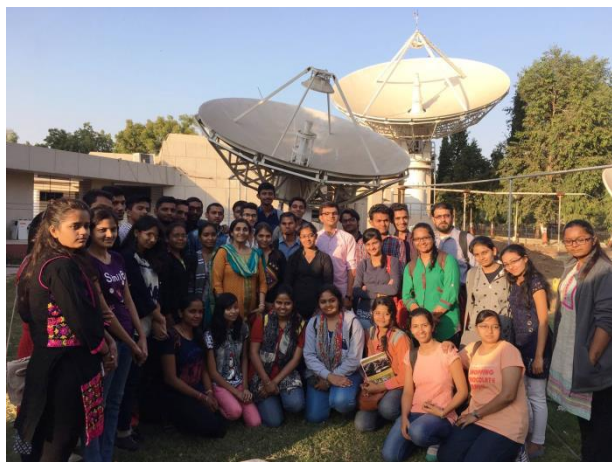


Students at the Polo forest with Dr. Megha Bhatt

Visit to BISAG- 5th January , 2016

On 5th January, 2016, the students of Gujarat University Botanical Society had visited GEER Foundation and BISAG. At around 2.30 pm students reached BISAG, situated in Gandhinagar near infocity. BISAG stands for Bhaskaracharya Institute for Space Applications and Geoinformatics. BISAG is a state level agency by Govt. of Gujarat to facilitate, to provide service and solution in implementing map based geospatial information system. Dr. Megha Bhatt accompanied the students. She explained about the infrastructure of BISAG and students were shown the display session and presentation regarding the establishment of BISAG, its ownership, how it came under work and more. After the presentation, Director of BISAG taught the students about BISAG, its SATCOM Network and the mechanism. They were given knowledge about various satellites and Remote Sensing Applications. The lecture was very much informative and fruitful to the students. After the lecture, students

went to see the different system and technical working part of BISAG. There they found that it comprised of 2 studios from where Honourable Prime Minister and our state's Chief Minister deliver the speech and also, some of the issues and programmes that are directly telecast from there. Dr. Megha Bhatt also showed a demo on the same by saying a few lines on camera. The clarity and resolution of the entire system was amazing. The visit to BISAG was a very informative experience for the students.



Dr. Megha Bhatt with the students at BISAG

The Gujarat University Botanical Society celebrated its **annual cultural festival** and the New Year in the form of purposeful theme days. Each day witnessed participation of the members in various competitions coordinated by different student groups. The group day- “Hum Saath Saath Hain”-6th January, 2016, Sports Day-Khiladiyon ka Khiladi-7th January, Food Mad- “Food Festival 2016”-8th January, Rangoli, Toran Making, Mehndi, Best from Waste, Vegetable carving, flower arrangement competition-9th January, Traditional wear day-11th January, Each one teach one, Kite flying Day, Share and Care-12th January, 2016. The **FOOD FESTIVAL** on 8th January-2016 was a big hit with one and all as visitors enjoyed the mouthwatering delicacies prepared by the students. The students got a hands-on-experience of handling, managing and coordinating various aspects of the festival.

The students participated with great enthusiasm and the thrust was on entrepreneurship and teamwork. The whole event was managed by students.



“Hum Saath Saath Hain”- Group Day Celebration through group activities and plays.



3- legged Race



Football games



Khiladiyon Ka Khiladi- Sports Day 2016





Judges tasting and judging the various delicacies during the **Food festival** competition

Workshop on Financial Planning-Ms. Palak Lotiya (SEBI)-12th February, 2016

The **Workshop on financial Planning for Young Investors** was organized with the help of Ms.Palak Lotiya-12th February, 2016, certified trainer from SEBI. The session

started with a video presentation of “One Idiot-an IDFC initiative” which conveyed the essence of the workshop very effectively. Ms.Palak explained the need for saving, appropriate investment and the risks to be taken care of to the participants.



Ms. Palak Lotiya explaining about financial planning and investment

Visit to ISRO- 9th March,2016

Students of Climate Change Impacts Management had gone on a visit to ISRO (Indian Space Research Organization) on 9th March, 2016, where they visited VSSE- Vikram Sarabhai Space Exhibition. VSSE was created by Dr. Vikram Sarabhai in the year 1962. Around 11.30 am students gathered at ISRO. The students were accompanied by Dr. Kashyap Mankad, who explained to students all about the history of ISRO, working of ISRO and various branches of ISRO in our country. Ahmedabad branch is known as SAC. SAC-ISRO is a communication centre. Dr. Kashyap Mankad, gave brief introduction about satellites, uses of payloads, sensors, fuel requirements and other features, types of satellites according to their range of rotation and disturbance, PSLV, GSLV and ASLV Rockets. He also mentioned that GSLV and PSLV are sent from Trivandrum and their fuel is obtained from TamilNadu. He also explained about ISRO's role in making MANGALYAAN and gave the students knowledge about Remote Sensing and its applications. The visit

to ISRO was a fruitful one as it created curiosity and increased the knowledge and



Students at SAC-ISRO



Students visiting the Exhibition at SAC-ISRO



Students learning about satellites

The Annual Function of Gujarat University Botanical Society was arranged on 12th April, 2016. Shri S.N. Tyagi, IFS (Mission Director, Gujarat State Biotechnology Mission) was the Chief Guest. The function witnessed over 100 prizes and certificates distributed to the winners and the participation in various events throughout the year like Quiz, One Minute Games, Elocution and much more.

This year the prestigious **GOLDEN PETAL AWARDS** were awarded to meritorious students by Tyagi sir.



Dr. Archana Mankad : Welcome



Dr. Himanshu Pandya welcoming the Chief Guest



Fulesh welcoming Dr. Hitesh Solanki



Shri S. N. Tyagi, IFS addressing the students





Winners being felicitated with certificates and prizes

GOLDEN PETAL AWARDS

GUBS AWARDS called as **GOLDEN PETAL AWARDS**, is our novel endeavor to acknowledge, appreciate and bring to limelight the best among the students of the department during the academic year. It is an initiative to generate interest and highlight the significance of wholehearted participation and commitment towards both curricular and co-curricular activities. A very creative momento and a very impressive certificate was specially designed by the creative team of the

department. The different categories of GOLDEN PETAL AWARDS are GOLDEN PETAL AWARD FOR ACADEMIC ACHIEVEMENT- for the toppers and all those who were awarded fellowships by UGC/DST etc, GOLDEN PETAL AWARD FOR EXCELLENCE- for the students who proactively and wholeheartedly displayed excellence during various events of the department, GOLDEN PETAL AWARD FOR STUDENT OF THE YEAR- for the overall best, GOLDEN PETAL AWARD FOR THE RESEARCHER OF THE YEAR-for the excellent publications, and GOLDEN PETAL AWARD FOR OUTSTANDING ACHIEVEMENT-for all those who have won prizes during oral/poster presentations at seminars/ conferences outside Gujarat University and made us proud and all those who have been conferred special appointments / fellowships. In addition to this we have GOLDEN PETAL AWARD FOR THE PRIDE OF THE DEPARTMENT for those who have been given National Post -Doctoral Fellowships.

To Begin with.. GOLDEN PETAL AWARD FOR ACADEMIC ACHIEVEMENT-This year we have a record 21 academic achievers..

GOLDEN PETAL AWARD FOR ACADEMIC ACHIEVEMENT to

ROHAN THAKKER - JRF TO SRF; PRIZE-SCIXL 2015

NIRMAL DESAI- JRF TO SRF; PRIZE-SCIXL 2015

MONA PARMAR- JRF TO SRF; PRIZE-SCIXL 2015

UMERFARUQ QURESHIMATVA- JRF TO SRF; PRIZE-SCIXL 2015

RIKIN PATEL- JRF TO SRF

CHARVI PANDYA – TOPPER INTERNAL EXAM; PRIZE-SCIXL 2015, 3MT,

MADHAVI SINGH – TOPPER INTERNAL EXAM; PRIZE-SCIXL 2015

GADHAVI HARSHIDA– TOPPER INTERNAL EXAM,

DIVYANI PANCHAL– TOPPER INTERNAL EXAM; PRIZE-SCIXL 2015

PATHIK BHATT– TOPPER INTERNAL EXAM

JAL JA CHAVDA– TOPPER INTERNAL EXAM; PRIZE-SCIXL 2015

NEHA JHA- PRIZE-SCIXL 2015

MEHUL SONI- PRIZE-SCIXL 2015

PUJAN PANDYA- PRIZE-SCIXL 2015

MITI PANCHOLI- PRIZE-SCIXL 2015

VINAL PATEL- PRIZE-SCIXL 2015

VIDHI PATEL- PRIZE-SCIXL 2015

ZARNESH KANOJIA- PRIZE-SCIXL 2015

BHOOMIKA VAGHELA- PRIZE-SCIXL 2015

SHILPA SHETTY- PRIZE-SCIXL 2015, 3MT,

KAJAL SHAH-PRIZE- SCIXL 2015

GOLDEN PETAL AWARD FOR EXCELLENCE IN MANAGEMENT

SHIRIN QURESHI

ALAY MEHTA

DHARMESH JAISWAL

GOLDEN PETAL AWARD FOR ENTREPRENEUR OF THE YEAR

COLACO IMANUEL FRANCIS

GOLDEN PETAL AWARD FOR OUTSTANDING ACHIEVEMENT

RENUKA DESAI-ACF, GOG

SHILPA SHETTY- NAT SYM-RAJKOT

MEHUL SONI-NAT SYM-RAJKOT

KAJAL SHAH-PRIZE- NAT SYM-RAJKOT

ANJANI PANDEY-PRIZE – NAT SYM- RAJKOT

GOLDEN PETAL AWARD FOR STUDENT OF THE YEAR

CHARVI PANDYA

GOLDEN PETAL AWARD FOR RESEARCHER OF THE YEAR

UMERFARUQ QURESHIMATVA

GOLDEN PETAL AWARD FOR PRIDE OF DEPARTMENT

Dr. S. PRASANTHKUMAR – DBT - RA

Dr. SAUMYA PATEL-NPDF-SERB, DST

Dr. Archana Mankad

Professor and Head

Department of Botany, Bioinformatics & Climate Change Impacts Management