

# VIDYAVRUT

23<sup>rd</sup> November' 2017

68 YEARS OF ESTABLISHMENT



**GUJARAT UNIVERSITY**  
Estd.1949







# GUJARAT UNIVERSITY

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**Prof. (Dr.) H. A. Pandya**

Vice-Chancellor



## Message

Collaboration between local industry and foreign universities or vice versa bring both opportunities and challenges for youth of developing countries. The rate of internationalization is increasingly rapid, with unhindered communication channels and inexpensive travel. Universities around the world are seeking to make the most of the possibilities that are procured by forming global partnership and fostering relationships with other institutions. Additionally, arguably, the main reason for pursuing higher education is the preparation it affords for life in the working world. In the globalised society we live in, international collaboration programs help by providing students with the ability to study, work and travel in an international capacity.

Collaboration between universities and industries is critical for skill development (education and training), the generation, acquisition, and adoption of knowledge (innovation and technology transfer), and the promotion of entrepreneurship (start-ups and spin-offs). Gujarat University has taken a lead in this new area of development. Fostering new partnerships, collaborations, exchange programs and joint ventures with other universities and private firms both in India and abroad are being actively pursued.

**Dr. H. A. Pandya**  
Vice Chancellor

## From The Editors Desk

Noise may not seem as harmful as the contamination of air or water, but it IS a pollution problem that affects human health and can contribute to a general deterioration of environmental quality. Noise is undesirable and unwanted sound. Noise is defined as 'unwanted or offensive sound that unreasonably intrudes into our daily activities'.



Noise pollution, or environmental noise, is displeasing sound created by humans, animals, or machines, that disrupts the activity or balance of domestic and animal life. Sources that cause the pollution, both indoor and outdoor, are: car alarms, emergency service sirens, office equipment factory, barking dogs, appliances, fireworks, compressed air horns, construction work, grounds keeping equipment, audio and all kinds of transportation. The effects of noise pollution, are both health and behavioural in nature. The most common symptoms of noise pollution are lack of sleep, irritability, indigestion, heartburn, high blood pressure (at times, causing heart attacks and strokes), ulcers, and heart disease. Sound is measured in a unit called the decibel (dB). WHO guidelines recommend less than 30 dB for a good night sleep and less than 35dB in classrooms for efficient teaching.

Ambient noise pollution on our Roads is perceptibly maddening. Drivers are even honking incessantly where they essentially don't need to alert anybody about their movement. Hawkers Vendors, religious activities, donation seekers etc , install cheap bothersome loudspeakers to announce at an irritating and unhealthy level of loudness. Many of our short term and long term health problems can be minimized by being sensitive to issue of noise pollution.

A handwritten signature in black ink, appearing to read 'Aaral'.

*"Don't find fault, find remedy"*

**Henry Ford**

## Department of Psychology All India French Singing Competition

(23<sup>rd</sup> June, 2018)

Indian Association of Teachers of French arranged an All India French Singing Competition which was held at Bangalore University on 23<sup>rd</sup> June (2018) in coordination with Alliance Française De Bangalore and Oman Air. There were 2 categories - under 18 and above 18 and the French language aspirants from all over India took part in this event. The final round was held at Bangalore where total 20 finalists represented their respective states.

From Gujarat Nirja Shah, a student of Alliance Française Ahmedabad, from Department of

Psychology, Sem 3 took part in the event where she sang a song named papaoutai by a renowned French singer Stromae. She was shortlisted in all the rounds which were held at Ahmedabad and later for the finals she went to Bangalore. She won in the above 18 category and was awarded with the title of the best emerging singer and talent of India and a 7 days trip to France which is sponsored by Oman Air. It is a matter of pride and glory for Gujarat as well as Gujarat University. Let's celebrate this French victory ensemble.

## Department of Botany, Bioinformatics and Climate Change Impacts Management (3<sup>rd</sup> August, 2018)



The Inauguration of Gujarat University Botanical Society was held on Friday, 3<sup>rd</sup> August 2018. It marks the beginning of the activities of GUBS. Honourable Vice Chancellor, Gujarat University, Prof. Himanshu Pandya was the Chief Guest and inaugurated the GUBS events for the year 2018-19. All faculty members and Visiting faculties were present along with many invited guests. The programme started

with a recap of last year's events in the form of a video show. Dr. Archana Mankad welcomed all and gave a quick overview of GUBS activities. This year Dr. Saumya Patel as Professor- In-Charge would lead the students and coordinate various events. Dr. Saumya introduced the new **TEAM GUBS** and requested Pandya Sir to coronate the Office Bearers with badges. The incoming new students were also welcomed. The programme ended with Vote of Thanks by Secretary GUBS, Ms. Mansi. The Master of Ceremonies was Ms. Lovely Jain from Bioinformatics. Everyone enjoyed piping hot meals and the informal introduction followed with creative games and ice breaking session planned for the freshers by the seniors.

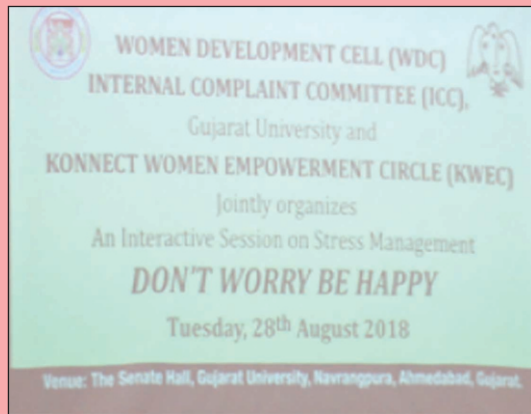
## Celebration of Independence Day (15<sup>th</sup> August, 2018)



**Honourable Vice Chancellor Prof. (Dr.) H. A. Pandya hoisting the National Flag.**



## Women Development Cell (WDC) & Internal Complaint Committee (ICC) (28<sup>th</sup> August, 2018)



WOMEN DEVELOPMENT CELL & INTERNAL COMPLAINT COMMITTEE with Konnect Women Empowerment Circle (KWECC), organized an Interactive Session on **Stress management** called **Don't Worry Be Happy** for the students, teaching, administrative and non-teaching staff of Gujarat University on Tuesday, 28<sup>th</sup> August 2018 at the Senate Hall.

The programme was inaugurated by **Smt. Bijalben Patel, Honourable Mayor, Ahmedabad Municipal Corporation**. The day started with Registration. The guests on the dais were introduced by Dr. Kamyani Mathur,

Professor & Head, Department of Psychology. Mrs. Jalpa Joshipura, President-Konnect, and Mrs. Nayika Agarwal, Founder - Konnect, were on the dais along with WDC-Chairperson, Dr. Savita Gandhi ; ICC-Chairperson, Dr. Rajshri Bhatt and Member Secretary of WDC and ICC , Dr. Archana Mankad. Honourable Vice Chancellor, Prof. Dr. Himanshu Pandya welcomed Smt. Bijalben Patel with a memento. Mrs. Jalpa Joshipura & Mrs. Nalyika Agarwal welcomed Smt. Bijalben Patel and Pandya Sir with memento.

Smt. Bijalben Patel reflected upon the changing lifestyles and environment that generates stress. She was happy that such event was organized at Gujarat University to generate awareness and address the overall wellbeing of all. As Mayor, she also gave an overview of what was her priority like traffic and parking facilities and what she envisaged in future.

Dr. Himanshu Pandya expressed the need to develop self-respect as well as respect for all for harmonious co-existence. He emphasized on the need to develop pride for our own Ahmedabad city as a Heritage City and join hands to enhance its glory.





Dr. Darshana Thakkar and Dr. Dhiren Ganjwala, both Medical doctors by Profession but excellent Motivational speakers were welcomed warmly. They gave a truly interactive presentation and conveyed very effectively the significance of positive attitude, expectations and time management in handling day to day situations. The participants enjoyed the session thoroughly and interacted with speakers to clarify their views.



Mrs. Nayika Agrawal from Konnect gave a quick overview of Konnect. The students from Department of Psychology demonstrated very effective management skills not only in Arrangements and Registration but also anchoring the event under the able guidance of Dr. Kamyani Mathur. The event attracted a lot of media attention as well. All participants received a certificate of participation.

**World Suicide Prevention Day activity at Department of  
Psychology, Gujarat University  
(10<sup>th</sup> & 11<sup>th</sup> September, 2018)**







About 800,000 people commit suicide worldwide every year, of these 135,000 (17%) are residents of India, a nation with 17.5% of world population. In order to spread awareness over this alarming issue and to provide worldwide commitment as well as action to prevent suicides with various activities around the world, 'World Suicide Prevention Day' is done as an activity on 10<sup>th</sup> September every year since 2003 globally.

Like every year, this year also the Department of Psychology of Gujarat University, did an activity of World Suicide Prevention day on 10<sup>th</sup> & 11<sup>th</sup> September, 2018 (from 11:00 AM to 05:00 PM) with a motto to spread awareness among people on the rising number of suicides per year. The Honorable Vice Chancellor, Prof. Himanshu Pandya who presided over the inaugural session held at the Senate Hall at 2:00 PM on 10<sup>th</sup> September, motivated everyone by his speech to look inwards to find the true beauty of life. Dr. Kamayani Mathur, Professor and Head of the Department of Psychology, was the convener of the program and in her speech she acknowledged the problems that leads a person to commit suicide and what can be done to prevent it. Also there were two speakers present for this occasion. First was Dr. Khushnuma Banaji, who is the Head of the Department of Psychology at St.

Xavier's College, Ahmedabad. She spoke about hope and positivity in life. Dr. Nimrat Singh, who is a RCI and IACP certified psychologist, was the second speaker for the day and she talked about loving oneself unconditionally. The inaugural function ended with a skit and a classical dance performed by the students of M.A. Semester 3 of the Department, to create awareness for suicide prevention. All the students then, along with the speakers and convener of the program walked with anti-suicide banners in their hands from the Senate Hall to the Department of Psychology. This entire event was covered by media and broadcasted on DD Girnar news channel.

An exhibition was organized at the Psychology Laboratory of the Department for which various schools and colleges participated in making posters on themes like 'what is suicide?', 'prevalence of suicide', 'causes of suicide', 'types of suicide', 'preventive measures to stop suicide', and 'where and from whom to seek help?'. The exhibition was kept open to pay a visit for the students of all schools and colleges as well as their parents and family members in order to spread awareness on this burning and sensitive topic. All the visitors were provided explanations regarding the respective themes mentioned above by all the volunteers as well as the Head of the Department.

The next day, that is, on 11<sup>th</sup> September also, the exhibition was kept open for everyone to visit and a good response was seen. Finally, the program ended with a valedictory function where Dr. Kamayani Mathur awarded certificates to the students who received 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> position for making the best posters or models for the exhibition.



## Nutrition Month Celebration by Food Science and Nutrition Students

The Food Science and Nutrition students of Department of Life Sciences recently organized an array of community events to observe the National Nutrition Month. The month of September has been declared as the National Nutrition Month by the Union Ministry of Women and Child Development of Government of India. Various programmes have been organized by the ministry to spread broad awareness on issue related to malnutrition, like stunting, under-nutrition, anaemia, low birth weight in children, breast feeding and pregnancy.

The theme for the nutrition month this year was, "Ensuring focused interventions on addressing under-nutrition during the first 1000 days of the child- Better Child Health." The theme focuses on highlighting the importance of nutrition during the first 1000 days of a child's life, starting from nutrition of the fetus during the third trimester of pregnancy, upto 2 years of her life.

All the first and second year students enthusiastically participated, in all the various community events organized by the department starting from September 4, 2018. The department was decorated with informative handmade posters by the students, to spread awareness about nutrition and healthy lifestyle in general.

### EVENT 1: HOUSING SOCIETY VISIT IN GHATLODIA AREA

**DATE: 4 SEPTEMBER, 2018**

The students visited Vrajdharm-1, a housing



society in Ghatlodia area of Ahmedabad, and interacted with more than 45 families there. The students presented a skit for the residents, educating them about protein malnutrition in children and infants, signs and symptoms of malnutrition and ways to prevent and cure it. This was followed by the nutritional assessment of about 30 children of the age group 2-6 years. The children were assessed for their height, weight, BMI, and for clinical signs and symptoms of various nutritional deficiencies.

### EVENT 2: ANGANWADI AND MUNICIPAL HOUSING SOCIETY VISIT IN GHATLODIA AREA

**DATE: 5 SEPTEMBER, 2018**



● The students visited the Municipal School and Anganwadi near Sattadhar Circle, in Ghatlodia. The students presented the aforementioned skit, and held a poster display session for the mothers and mothers-to-be. All the posters were designed and conceptualized by the students of the department, and were made in Gujarati. This was followed by an interactive session for the mothers where they raised many questions related to health and nutrition for themselves and their children and families.

● After the Anganwadi visit, the department visited a municipal housing society in Ghatlodia. The students



personally informed resident mothers and women, about the event door to door.



The events of this day was covered in Divya Bhaskar, dated 9 September 2018, and an online news portal Mera News.

**EVENT 3: COOKERY SHOW IN ASSOCIATION WITH NESTLE**  
**DATE: 6 SEPTEMBER, 2018**



A cookery show in association with Nestle was organised by the Food Science and Nutrition, Department of Life Sciences on this day. The session was conducted by Chef Preeti, who demonstrated and shared with the students, healthy and nutritious recipes made with Nestle products, like, Peanut Bars and Schezwan and Vegetable Noodles

**EVENT 4: POSTER EXHIBITION**  
**DATE: 7 SEPTEMBER, 2018**

The posters made by the students were displayed in the department, for all the students and faculty members of the university.

**EVENT 5: CAMPUS RECRUITMENT BY MEDILINK**

**DATE: 10 SEPTEMBER, 2018**

Medilink, had come for campus recruitment for our previous year graduated students where one student got placed at AIMS Hospital and other students are being considered for placement.

**EVENT 6: PRIMARY SCHOOL VISIT**

**DATE: 11 and 12 SEPTEMBER, 2018**



The students and faculty members visited F.D Primary School in Jamalpur.

students of Jr.Kg (age group 3-4 years) and their parents were invited to attend the event. Each student was assessed for his or her age, height, weight, BMI and clinical symptoms for various nutritional deficiencies.



Diet recall for all the students were also taken to calculate their energy intake and the parents and their children were counseled, regarding their child's health and food habits.

Same activities were carried out on day 2, where Sr. Kg. and 1st standard students (age group 4-6 years) were nutritionally assessed.



**EVENT 7: CNE on Power of Grains organized by IDA (Gujarat Chapter) & Kellogg's India  
DATE: 16 SEPTEMBER, 2018**

About 25 students of the department, attended the CNE on Power of Grains organized by Indian Dietetics Association: IDA Gujarat Chapter, and Kellogg's India Pvt. Ltd. At ITC Fortune Park, JPS Grand, Rajkot.

The scientific session and lectures were conducted by Ms. Dharini Krishnan, Ms. Madhvi Trivedi and Dr. K. Subhadra, who are all eminent dietitians and nutritionists of India. The transportation of all students was sponsored by Kellogg's India. The speakers talked about the Powwer of Whole Grains, and their importance in curing and preventing many diseases like diabetes and cancer. Healthy recipes using Kellogg's products were also demonstrated.



**Science Excellence 2018 (SCIXL-2018)  
(20<sup>th</sup> September, 2018)**



The seed of SCIXL-2018 was sown in 2008. The event supported by GUJCOST every



year was the seventh in the series. Our Hon. Vice Chancellor and Patron SCIXL Dr.

Himanshu Pandya displayed a lot of enthusiasm and support throughout the preparation of SCIXL. Dr. Archana Mankad, Professor and Head, Botany Department and Secretary General SCIXL-2018 generated a lot of enthusiasm and interest among students. Her total involvement and guidance led team of all involved and made the whole event a big success.

### **REGISTRATION:**

The state level Paper (Oral and Poster) Presentation Competition in 20 science subjects at 4 levels- UG / PG / M.Phil.- Ph.D. / Faculty was organized on Thursday, 20<sup>th</sup> September 2018, at Department of Botany, Bioinformatics & Climate Change Impacts Management, School of Sciences, Gujarat University, Ahmedabad-380009. More than 1200 participants actively interacted during the day long event. Of these, 912 were UG and PG students, 192 were M.Phil.-Ph.D., and 83 Faculty participants. The subjectwise–levelwise-categorywise online registration had begun about two months prior to the actual event. All registered participants received the seminar kit along with CD which included abstracts of papers to be presented in a particular subject.

### **INAUGURATION:**

Dr. Hitesh Solanki, Professor, Department of Botany, Bioinformatics & Climate Change Impacts Management and Coordinator SCIXL welcomed the guests and spoke about SCIXL. The event SCIXL2018 was inaugurated by Dr. B.V.Patel, Director EMMRC and Dr. P. M. Patel, Registrar, Gujarat University. Our Hon. Vice Chancellor and Patron SCIXL, Dr. Himanshu Pandya was on official duty and had conveyed his best wishes for the grand success of this Mega Event of the University. Dr. Bharat Maitreya delivered the formal vote of thanks. Dr. Nainesh Modi anchored the Inauguration with fine grace and poise.

### **VISITING BEES:**

The participants had come from almost all over Gujarat- from most universities and colleges (List attached). After registrations all

enjoyed hot samosas with Tea/Coffee at the food plaza.

### **PRESENTATIONS:**

Each subject Department was equipped for the oral and poster presentations and material for Poster display like thermocole sheets etc, in advance. The panels of Judges were separate for Oral and Posters Presentations. The ORAL PRESENTATIONS began at the respective subject departments starting from UG level followed by PG level. Alongside the POSTERS were displayed. The students made impressive oral presentations and were evaluated by a panel of Judges based on the content. Presentation, creativity and defence by the student.

### **GREEN LUNCH:**

The GREEN LUNCH at FOODPLAZA was enjoyed by all. The volunteers from Botany Department ensured that the arrangements and distribution was orderly and timely. The green Lunch included Hot and tasty Mung dal halwa, cutlets, chole, puri, mixed vegetable, dal-rice appropriate with the season alongwith usual accompaniments.

### **PRESENTATIONS:**

Post lunch session was predominantly for the research scholars and the results were compiled by the coordinators at the Botany Department. The Judges chose the best presentations to be awarded prizes.

### **VALEDICTORY FUNCTION:**

The Valedictory function was chaired by the Prof Rajshri Bhatt at Zoology Department, Prof. B.V. Patel at Physics Department and Prof. H.A.Solanki at Botany Department. Dr. Bharat Maitreya at Physics department, Dr. Nainesh Modi at Zoology Department and Dr. Hitesh Solanki at Botany Department welcomed the guests and the Judges were presented Mementos for their valuable contribution throughout the day. Then the Prizes were announced and the winners received cash prizes and certificates from the dignitaries on the dias. The programme was anchored by Ms. Deepti Sharma at Zoology Department, Ms. Swati Jayswal at Physics Department and Ms. Snigdha Dixit at Botany Department.

**Department of Labour Welfare and Sociology,  
School of Social Sciences, Gujarat University  
Report-One day State Level Workshop  
Gender Sensitivity  
(12<sup>th</sup> September, 2018)**



A full day workshop igniting 170 students on “Gender Sensitivity” was organized on 12th September 2018, by joint efforts of Department of Sociology and Department of Labour Welfare, School of Social Sciences, Gujarat University and Gender Resource Center, an autonomous body of Women and Child Development Department, Government of Gujarat. The participants were students from MA, MLW, MPhil, PhD Scholars and ex-students of School of Social Sciences.

These vital efforts of instilling empathy into the views about genders were graced by presence of Honorable Vice Chancellor Prof. (Dr. Himanshu Pandya). The participants were truly blessed by his thoughts on various aspects. He appreciated the efforts of organizing such workshops that can imbibe gender sensitivity in the youth and change the mind sets of present and generations to follow. These efforts can go a long way for brighter future. He appreciated the efforts of initiating such endeavours, saying such mass movements are not due to thoughts of masses but are due to thoughts of some reformers. He emphasized that such joint efforts of interdisciplinary organisers- Sociology and Labour Welfare departments- can give many new ideas and perspectives and can give innovative results.

Dr. Rajasi Clerk, Director, School of Social Sciences & Head Department of Labour Welfare, Gujarat University welcomed all and explained the purpose of such workshops for youth of today.

Dr.Chandrika Raval, Professor, Sociology Department and Coordinator of the workshop, discussed objectives of the workshop and encouraged students to gain maximum from such events.

Ms. Meeta Patel and Bijal Bangadiwala, resource persons from Prime Minister's Flagship program - GRC, started the 1st session with introduction about GRC and its work. GRC works with Government of Gujarat, NGO's, Academic institutions and corporate sector, creating awareness on gender equity and equality, rights of women, gender sensitivity, policy formation and other related work. She focussed on the central government's initiatives on Beti Bachao Beti Padhao (BBBP), Mahila Shakti Kendra Scheme, One Stop Centre - SakhiYojna, “Abhyam-181” – Women Helpline and Mahila Police Volunteer.

The inaugural session was conducted by Prof. Sangeeta Patel (Sociology department) and Prof. Dr. Sujatha Sony Onnatu (Labour Welfare department), thanked everyone for their active participation and organizing efforts.

The next session by Ms. Reema Kapoor, started with a group exercise where different groups laid their ideas on chart papers, and presented on “What is their understanding about sex discrimination?”, “Where is it seen?”, and “In what form?”. This State level one day workshop on Gender sensitization under the leadership of Prof Dr. Rajasi Clerk, Director School of Social Sciences along with senior faculties Dr. J.C. Patel, Dr. Chandrika Rawal, Dr. Gaurang Jani, Dr. Sujatha Sony Onattu, Dr. Rajendra Jani, Prof. Sangeeta Patel. Dr. Suhasini Shastri, organizing secretary of the workshop made invaluable contribution in the successful planning of the workshop for raising awareness of gender equality concerns. Phd Scholars Ms. Rima Mistry and Ms. Priyanka Mehta of Labour Welfare department, Ms. Gulshan Sihag Baghla, Ms. Sweetu Saxena, Mr. Mrunal Patel, Ms. Ankur Balat of Sociology contributed in organizing and successfully conducting the workshop.

**Visit of Dr. Tony Adesemoye, to the Department of Microbiology and Biotechnology (26<sup>th</sup> September 2018)**



Dr Tony Adesemoye addressing students , Department of Microbiology and Biotechnology.

Dr Tony Adesemoye is an Assistant Professor & Plant Disease Management Specialist at the University of Nebraska–Lincoln. He completed his PhD in Plant Pathology from Auburn University, Alabama, USA. His research interests span the use of plant growth promoting rhizobacteria in crop disease and input management. Between 2009 and 2014, he worked as a Postdoctoral scholar at Michigan State University Dr Adesemoye previously served for two years as Chair of the Biological Control Committee of the American Phytopathological Society. He currently serves as an Associate Editor for Archives of Phytopathology and Plant Protection and Editorial Board member or reviewer for four other journals.

The title of his talk was “ Exploring cross-kingdom regulation and PGPR in sustainable management

of root rot diseases of row crops” at the Department of Microbiology and Biotechnology on 26<sup>th</sup> September 2018. The seminar had a comprehensive coverage of the pathogens, its total virulence, abundance in plants, conditions that favoured the diseases growth in the plants and its reduction by the use of Plant Growth Promoting Rhizobacteria (PGPR). Later, he gave information regarding the opportunities for the students to carry out their undergraduate, graduate and research programs at the Department of Agriculture and Natural resources, University of Nebraska Lincoln and admissions in USA. The third session was with research students, interactions, guidance and open discussion with him regarding the biocontrol and plant growth promoting attributes of the microbes.



**Teacher's Day Celebrations at Gujarat University  
Microbiology and Biotechnology  
(5<sup>th</sup> September 2018)**



Teacher day celebration was carried out by the master's students of Microbiology and Biotechnology stream. The program began by lighting the lamp and felicitating the professors with a flower bouquet followed by a thanks giving speech conducted by the students.

**Department of Labour Welfare  
University School of Social Sciences  
(5<sup>th</sup> September, 2018)**





## Department of Computer Science Gujarat University Teacher's Day Celebration 2018



Enthusiasm and festivity witnessed at Department of Computer Science on Teacher's day which marks the anniversary of 2<sup>nd</sup> president of India, a great teacher and philosopher, Dr. Sarvepalli Radhakrishnan. The day was celebrated by the students of Department of Computer Science, Rollwala Computer Center, Gujarat University on 5<sup>th</sup> September, 2018 in Gujarat University Senate Hall. The event was organized and managed by Sem-III students of MCA, under the guidance of faculty members. The students of MCA, M.Sc.,

M.Tech and PGDCSA participated in the celebration. The event was beautifully hosted by Sem-III students, Vivek Soni and Priyanka Kaur. The celebrations which began at 10:00 AM and lasted till 1:00 PM, were followed by cake cutting and snacks in the seminar hall of Department of Computer Science.

The event started with the University Song, followed by ceremonial lamp lighting and Saraswati Vandana. The lamp lighting was done by all faculty members. The Saraswativandana was sung by MCA Sem-I students.

Parth Monani, a student of Sem-V introduced the event by speaking about our culture and importance of teachers in our culture. He also shared his experience as a lateral student and mentioned about the friendliness of teachers at Rollwala Computer Center. He finished his talk by quoting a poem of Shri Harivansh Rai Bachchan. A Memento was given by students to every staff member (both academic and non-academic) of the Department of Computer Science.





Mr. Akhil Maliwal from Sem-I shared his views on teacher's day. He mentioned that everyone in the life who teaches you something is your teacher. They can be parents, school teachers, college teachers, and mentors in company, friends and even life. Teachers grant good ethics and morals. He pointed that a teacher makes good environment for the society. He stressed that without teacher a person is blind in his/her life. Highlight of the teachers' day celebration was the surprise presentation of the alumni video from students who are settled across the globe. Video was showcased as a sweet token of love and respect to the faculty members. The alumni who shared their feelings were Mr. Amit Dwiwedi, Mr



Gaurav Upadhyay, Mr. chintan Mehta, Mr. Nikunj Solanki, Mr. Rishi Dhariwal, Ms. Jaldhi Dave, Mr. Harsh Pandya, Ms. Kinjal, Mr. Mrugesh and Ms. Pooja. They recalled their times in the Department with the faculty members, took this opportunity to thank the

faculties for such utter care and knowledge, talked about how the institute had changed their lives, and about their favourite teachers. They also delivered encouraging message to juniors. Dr. Savita Gandhi greeted and congratulated the organizers for the wonderful execution of the event. She thanked all her teachers for imparting good education to the students. She also took the opportunity to once again welcome new students and new teachers. She addressed the audience and said

**“you dream high, you fly high.  
Nothing is impossible, if your determination is strong.  
Grow further and achieve your goals”.**

She expressed her views on how teachers play an Influential and significant role to shape up the future of their formative Years. Dr Jyoti Pareek also

stressed on teachers as “Beacons of Light“who with their guidance have the power to mould and shape the future of their students.

**“Teaching is the one Profession, which creates all other Professions.”**



Dr. Jyoti Pareek talked about the motivation of teachers along with the motivation of the students. She emphasized that a teacher is motivated only by the best performance of his/her students. She marked the beginning of the teacher-student games by enthusiastically

participating in them. A skit was performed by the Sem-I students. They showed how current students are misguided by alcohol, drugs, bad company and depression. They also showed how the factors like God, Hope, and Courage can guide the students towards the



right path. Lazy dance was performed by Sem-I students. Another skit was performed which showed the lethargic working in a company. Games such as damsharads, lip reading and amiba were played among students and teachers. The event concluded with teachers and students dancing together on the beats of Garba. The programme ended with a Cake cutting ceremony amidst cheers for the completion of 30 Years of inception of MCA program at Department



of Computer Science, Rollwala Computer Centre, Gujarat University.

Teachers had a positive disposition towards the whole event and they appreciated every bit of students' efforts for making this teacher's day celebration a great, successful and memorable event by all means. The whole event was organised by MCASem III students and later they proposed vote of thanks.

### Summary Report on “Thalassemia Camp” at Department of Microbiology/Biotechnology and Clinical Research, Gujarat University

Department of Microbiology/Biotechnology and Clinical Research organized a one-day Thalassemia Camp for the students of Gujarat University on 28<sup>th</sup> September 2018. The objective of the camp was to spread the awareness about causes and remedies of Thalassemia. The programme was organized under the guidance of Dr. Meenu Saraf, HOD, Department of Microbiology, Dr. B.V. Patel, Professor, Department of Microbiology and Dr. B.K. Patel, Clinical Research Programs. The Indian Red Cross Society, Ahmedabad was specially invited for collection of blood samples for testing.

Prior to the organization of Thalassemia Camp, Circular and flyers regarding the same were circulated in all the departments of Gujarat University. On the day of testing, all the students were made aware about Thalassemia, its type and the effect of this blood—disorder in our life. The importance of Thalassemia testing was also elaborated as it is the only measure of preventing spreading of this disorder.

A total of 17 students provided their blood samples of testing. The whole event was well organized and controlled by the faculty of the department. The camp was another evidence of the commendable efforts done by Gujarat University for all round development of their students and taking up regular measures of social cause.



**150<sup>th</sup> Birth Anniversary of Mahatma Gandhi**  
**Department of Labour Welfare, Gujarat University**  
**(1<sup>st</sup> October, 2018)**



On 1/10/2018, The Department of Labour Welfare, University School of Social Sciences organized Inter Department Elocution Competition in celebration of 150<sup>th</sup> Birth Anniversary of Mahatma Gandhi. The event was enthusiastically celebrated by more than 100 students from different departments of School of Social Sciences. The theme of Elocution Competition were:

- (1) Cleanliness – whose responsibility?
- (2) Gandhiji's Vision for India
- (3) Mahatma Gandhi's thoughts on Social Reforms

About 20 students participated in the competition. Dr. Usha Chaturvedi, Retd. Principal of M.P. Arts College and renowned Gandhian writer and Dr. Neelam Panchal, Faculty of Business Management were invited as the judges of the event. Dr. Rajasi Clerk, Director of the School of Social Sciences welcomed all the guests and



participants of the event. The programme started with the prayer by Sem. I MLW student Roopali Soni – “Vaishnav Jan to Tenere Kahie” which was the most favourite devotional song of Mahatma Gandhi. The programme was conducted by MLW Semester III student Kanan Bhatt under the guidance of Dr. Suhasini Shastri (Field Work Assistant) and HOD, Dr. Rajasi Clerk. The event was attended by faculty members of all the departments of School of Social Sciences and the prizes were given to the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> rank holders as mentioned below:

- (1) Anita Maurya - 1<sup>st</sup> Prize
- (2) Megha Zala - 2<sup>nd</sup> Prize
- (3) Pavan Vitlani - 3<sup>rd</sup> Prize

The prizes of the event were sponsored by International Womens' Wing of Vishwa Gujarati Samaj. Prof. Renukaben Desai, Dr. Chandrikaben Raval and Manjari Desai from Vishwa Gujarat Samaj were present throughout the event and encouraged the students by presenting a memento for all the participants. All the participants were given the certificate of participation by Judges Dr. Ushaji and Dr. Neelamji. The programme ended with lot of enthusiasm and renewed interest in Gandhiji's life and thoughts among the students of social sciences.

## Department of Zoology



A lecture delivered by Smt. Kalika N. Mistry - Trainer of Adivinar Pranik Healing & Training Centre, Yog Didhya Pranic Healing Foundation of Gujarat, which is on **"Pranik Healing Techniques"** at Zoology Department.

## SCIENCE EXCELLENCE – 2018

Science excellence – 2018 was held on Thursday 20th September, Many students of Zoology, Biomedical Technology and Human Genetics, Gujarat University, Ahmedabad were awarded prizes as mentioned below:

Sr No.	Name	Category	Prize	Subject
1	Divya Fulwani	Research	1st - Oral	Zoology
2	Zankhana Pandit	Research	2nd - Oral	Zoology
3	Amit Koshti	Faculty	2nd - Oral	Zoology
4	Musharrat Ikkishwala	M.Sc.	2nd - Poster	Zoology
5	Dashratsingh Barad	Research	1st - Poster	Zoology
6	Brijeshkumar Gelat	Research	2nd - Poster	Zoology
7	Ashlesh Upadhyaya	Research Technology	1st - Oral	Biomedical
8	Pooja Trivedi	M.Sc.	1st - Poster	Biomedical
9	Nidhi Rajput	Research Genetics	1st - Oral	Human
10	Devarshi Nayak	M.Sc.	2nd - Poster	Human Gebetucus
11	Akshi Valodara	Research Genetics	1st - Poster	Human

## Department of Microbiology and Biotechnology

Professor Meenu Saraf, HOD , Department of Microbiology and Biotechnology was awarded the Shastri Mobility Programme (SMP) award for the year 2017-18.



She attended the 11th International Plant Growth Promoting Rhizobacteria Workshop, held at Victoria BC, Canada from June 17-21 2018.

The international workshop is a prestigious conference taking place once in every 3 years. "I got the opportunity to interact with well-known scientists working in the area of sustainable agriculture and agriculture biotechnology. Also a new direction in my research and teaching is possible with these new connections. Interactions with scientists lead to many possible interactions and directions", say Professor Saraf. This lead to lots of discussion and suggestions from very senior people- Prof J. Kloepper, USA, Prof Y Bashan, USA Prof Linda

Thomson, Prof Louise Nelson etc.

Professor Meenu Saraf addressing the delegates at the 11 International PGPR workshop, Victoria , British Columbia, Canada.

Professor Meenu Saraf then visited the Lab of affiliate- under the SICI scheme. She visited the lab of Trevor C. Charles, Professor, Department of Biology and Director, Waterloo Centre for Microbial Research, University of Waterloo, Waterloo, Canada. The duration of fellowship was for three weeks. Title of Project undertaken -New Concepts And Approaches For Studying Functional Metagenomics of Root Nodule Bacteria .



Professor B R Glick and Prof Meenu Saraf at the Department of Biology, University of Waterloo, Waterloo, Canada.

First Meeting for U Waterloo-U Chile IPRG Collaboration Project: Theme: “Bioengineering innovations for biotechnology and biomanufacturing”. Prof Saraf was invited to join the delegation and attend the Canadian Chilean meet. This was an excellent opportunity to meet and interact with two big universities with focus on i) the collaborative research topic, methodology, and key challenges/problems the research addresses and ii) the activities to be undertaken with the proposed budget with special focus on Agriculture, Climate change and Biotechnology. Later, she focused on her project. The purpose of research project was to learn the possible innovative approaches using combination of metagenomics and functions of root nodule inhabitants. This should facilitate design of biofertilizers which may be used to promote plant growth – cereals and legumes, encouraging use of bioinoculants and protecting environmental



health. Professor Saraf interacted with faculty, scholars and students and gave a lecture at the University of Waterloo, Department of Biology on research achievements in her lab at Gujarat University - Harnessing the Rhizosphere Microbiome for Nutrient Acquisition and Disease protection. Later, she visited the Department of Plant Sciences, Guelph University and delivered a guest lecture at the Department of Plant Sciences, headed by Prof Manish Raizada. Professor Manish Raizada, University of Guelph, Prof Charles Trevor and Prof Meenu Saraf at the Department of Plant Sciences, University of Guelph, Guelph, Canada.

### Visit to Imperial College, London for Indo- UK Collaborative research Project



Professor Meenu Saraf, Head, Department of Microbiology and Biotechnology was awarded the DST- INDO UK (UKIERI) project. The UK collaborators are Prof Martin Buck and Jorg Schumacher, Imperial College, London, UK.

The project goals will be initiated by visit of Meenu Saraf (Lead applicant from India) to Imperial lab for 7 days in September 2018. This was to give a start kick to initiate the project work by exchanging the ideas and discussing the pattern of work at both the places

(L to R) Dr. Tufail Bashir, Dr Christopher Waite, Dr Jorg Schumacher, Dr Meenu Saraf and Dr Shraddha Gang.



This collaborative project is designed to bridge the recognized knowledge gap between more fundamental research and applied sciences in the field of PGPR. The Saraf and Buck labs have complementary expertise and capabilities in molecular microbiology (mainly Buck), soil microbiology (both), PGPR (both), plant-microbe interactions (both), microbial ecology (mainly Saraf) and agricultural practices (mainly Saraf), all relevant to the proposed collaboration. By combining our capabilities, we are in a strong position to tackle the multi-faceted aspects from the molecular level to farming practices. The overall aim is to improve R&D capabilities towards the application of plant growth promoting bacteria to mitigate plant abiotic stresses.



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