



**P P SAVANI**  
UNIVERSITY

School of  
**Engineering**



**Academic Vibes @ SoE**

**Cultural Vibes @ SoE**



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April 2019

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*Establishment of*  
**Institution Innovation Council (IIC)**  
*as per the norms of Innovation Cell,*  
*Ministry of HRD, Government of India*

*Encrypting the Journey of*  
*Academic Excellence...*





## Academics @ SoE

### Eminent Experts @ SoE

Mr. Nirav Sanghavi from Sophos Pvt. Ltd. delivered an expert talk to the students of 4th semester, Computer Engineering & Information Technology on the topic 'The Agile Classroom-Engraving an Agile Mindset' on March 9, 2019.



Dr. Mathurkumar S Bhakhar, Professor, Chemical Engineering Department, G H Patel College of Engineering & Technology, Vallabh Vidyanagar, Anand delivered an expert session to the Chemical Engineering students on 'Kinetic Study on Extraction of Heavy Metals using Emulsion Liquid membranes' on March 5, 2019.



Dr. Narendra Patel, Associate Professor, BVM Engineering College, V V Nagar delivered an expert talk on 'Basics of Operating System' on March 23, 2019 for the 2<sup>nd</sup> year students of Computer & IT Engineering.



A workshop on 'Fundamentals of Computer Graphics' was organized on March 28-29, 2019 from 8:00 am to 4:00 pm for the 4th semester students of Computer Engineering and Information Technology. Mr. Chintan A. Gajjar from S & S.S. Gandhi College of Engineering & Technology was invited as an expert for the session. The entire workshop proved to be very fruitful to the students.

### Industrial Exposure



An Industrial Visit for the 2<sup>nd</sup> Year Chemical, Civil and Mechanical Engineering students at Ankleshwar Industrial Expo - 2019 for level 2 on January 4, 2019.



Mechanical Engineering 2<sup>nd</sup> year students visited Mayur Plastic Industry at Ankleshwar GIDC on March 13, 2019



Industrial Visit @ GNFC  
Neem Plant by 2<sup>nd</sup> year  
Chemical Engineering  
Students



### Seminar @SoE



School of Engineering organized a one day seminar on 'Sustainable Solutions to Industrial Waste Water on January 25, 2019 sponsored by GUJCOST and DST, Government of Gujarat at PPSU campus. The seminar covered the topics like waste water management, industrial waste water problems and adequate solutions, current advance systems for the waste water treatments, research related to waste water treatment. The seminar was graced by Dr. U D Patel, Head & Professor, Civil Engineering Department, M S University, Vadodara followed by expert sessions. The other experts from reputed institute like Dr. Jayesh Ruparelia, Professor & Head, Chemical Engineering Department, Nirma University, Ahmedabad and Dr. M. Mansor Ahmmad, Associate Professor, Civil Engineering Department, SVNIT, Surat. Total 117 Participants from various institutes across Gujarat were the beneficiaries of the seminar.



## Workshop @ SoE



School of Engineering organized GUJCOST & DST, Govt. of Gujarat Sponsored Two Days Workshop on 'Conquering Global Challenges: Safety, Quality & Environment' during March 01-02, 2019 at the University campus. The workshop covered the topics such as Industrial Safety for Engineers, Quality Requirement in the context of Mechanical, Chemical, and Civil Engineering Industries, and Environment Audit Requirements in Industries.

The workshop was graced by the experts from various Institutes of repute such as Mr. Dishank Oza, Dy. GM, Essar Power Hazira Limited, Hazira, Surat, Dr. Suresh Sharma, Vice Chairman, Quality Circle Forum of India, Surat Chapter and Dr. Reshma Patel, Associate Professor, Civil Engineering Department, BVM Engineering College, V V Nagar.





## Students' Achievements

### Our Aspirant Technocrats

07 students from B. Tech & B. Sc. IT participated at Two Days Seminar on *'Artificial Intelligence and Facebook Chatbot'* at IIT, Bombay.

22 students from B.Sc. (IT) and 3 students from Computer Engineering along with 02 faculty members, Dr. Lokesh Budhia and Ms. Reshma Lakhani, visited at *'TechnoThon-2019'* organized by Prakshal IT Academy at Surat on March 10, 2019.



### Sports Champions

#### Volley ball

Students' Name (BOYS) WINNERS	Enrollment No.	Students' Name (GIRLS) RUNNER UP	Enrollment No.
Rahil Italiya	17SE02CV005	Patel Payalben Nareshbhai	17SE02ME013
Tirth Rajyaguru	17SE02CE046	Malaviya rency vijaybhai	17SE02CE031
Anand Kevadiya	17SE02CH020	Dhameliya vidhi s	17SE02CE009
Sahil Bhingradiya	17SE02CV001	Chikhaliya Pinal Videshbhai	18SE09CE008
Gopal Italiya	17SE02CV004	Mandukiya Krupali K	17SE02CE033
Bansi Patel	18SE02CH032	Hirpara Mansi Mukesh	17SE02CE020
Akash Vasi	18SE02CH060	Malaviya Ayushi Dharmeshbhai	17SE02IT028
Shiv Rajput	18SE09ME008	Bhadani Ruchita Arunbhai	17SE02IT007
Bhoomiraj Chauhan	18SE02CH005	Patel Margi Rajeshbhai	18SS02IT041
Manav Patel	18SE02CH062	Golakiya Isha Babubhai	17SE02CE019
Jay Savani	17SE08IT001	Kakadiya Shruti Vijaybhai	18SE02CE020





## Football

School of Engineering Football teams (Both girls & boys) became champion at intra university football tournament held on January 25, 2019.

Students' Name (BOYS)	Enrollment No.	Students' Name (GIRLS)	Enrollment No.
Vashi Akashkumar Narendrasinh	18SE02CH060	Patel Payalben Nareshbhai	17SE02ME013
Desai Ankit Bipinbhai	18SE02CH008	Bhadani Ruchitaben Arunbhai	17SE02IT007
Soni Bhaumik Hiteshkumar	18SE02CE043	Malaviya Ayushi Dharmeshbhai	17SE02IT028
Parmar Nimesh Maghabhai	18SE02CH061	Malaviya Rency Vijaybhai	17SE02CE031
Chauhan Bhumiraj Baldevsinh	18SE02CH005	Dhameliya Vidhi Sureshkumar	17SE02CE009
Paghdar Pritkumar Shaileshkumar	17SE02CH027	Hirpara Mansi Mukesh	17SE02CE020
Pabani Shivamkumar Kiran	17SE02CH026	Golakiya Isha Babubhai	17SE02CE019
Desai Jayrajsinh Bharatsinh	18SE02CH009	Patel Margi Rajeshbhai	18SS02IT041
Kansara Rudra Alpesh	17SE02CH017	Pirojiya Hemansi Kanaiyalal	18SE02IT046
Rajput Shivshankar Singh	18SE09ME008	Rajput Anshusing Pratapsing	18SE02IT047

## Cultural Activities

### KalaGoonj 2K19

KalaGoonj is a platform which is provided annually to the students of P P Savani University to showcase their talent and imagination. KalaGoonj 2K19 was organized on 16-17 February, 2019 in which various 21 events were organized. Students of SoE participated in these events with great ardor. In following events, students of SoE secured Winner and Runner up position.

Fashion Show	Winner
Skit	
Open Mic	
Graphic Design	
Elocution	
Elocution	Runners Up
Group Dance	
Quiz	
Photography	





## Research Erudite

### Publications

#### Mr. Jigesh Mehta

- ❖ 'Effective Chemical Cleaning of a Cross-Flow Nanofiltration Membrane Fouled by Dye Solution- Conditional Experimental Study', Res Dev Material Sci.9(4). RDMS.000718.2019. DOI: 10.31031/RDMS.2019.09.000718.
- ❖ 'Hydraulic Flushing Flux Enhancement Techniques in Membrane Separation Processes: A Mini Review', International Journal of Composite Materials and Matrices (IJCMM), Vol-4, Issue – 2 (2018) 1-3 © JournalsPub 2018.
- ❖ Ramil Patel, Kushal Kapadia, AbhiDharshandiya, Smit Ghardesia and Jigesh Mehta, submitted Research Paper entitled 'Investigative Study on Marine Creatures and Waste foodstuff – Adsorbent Preparation and Applications" at National Conference on "Green Chemistry and Technology for Sustainable Development'. Article published by Rai Publishing House with book name "Recent Trends in Green Chemistry & Technology", ISBN 978-93-84339-55-5, Page-23-31.
- ❖ Suraj Kapadiya, Sandeep Nath, Jigesh Mehta published a Research Paper entitled 'Polymeric Graphitic Carbon Nitride as Heterogeneous Organo-Catalyst from Photochemistry to Sustainable Chemistry" presented poster at National Conference on "Green Chemistry and Technology for Sustainable Development' held on January 18-19, 2019 at G H Patel College of Engineering & Technology, V V Nagar.

### Presentation

#### Dr. Gaurav Thakarar

- ❖ A paper entitled "Innovative Trends in ELT in 21st Century Classrooms" in National Seminar on ELT in India: Multiple Readings held on February 12, 2019 at Veer Narmad South Gujarat University, Surat.
- ❖ A paper entitled "Soft Skills Training to Indian Graduates: Approach Matters more than the Syllabus - A Study of P P Savani University Model" held on March 1-2, 2019 at Auro University, Surat.

#### Ms Meera Patel

- ❖ A paper entitled 'A Survey on Writing Skills of Intermediate Second Language Learners' in National Seminar on ELT in India: Multiple Readings held on February 12, 2019 at Veer Narmad South Gujarat University, Surat.
- ❖ A paper entitled "Innovative Trends in ELT in 21st Century Classrooms" in National Seminar on ELT in India: Multiple Readings held on February 12, 2019 at Veer Narmad South Gujarat University, Surat.

### Participation

- ❖ Mr. Hardik Majiwala attended two days works on Advances in Aerospace Research (AR&DB-ARP) scheduled on February 11-12, 2019 at SVNIT, Surat.
- ❖ Ms. Sofia Ahmed and Ms. Reshma I Lakhani, from SoE participated in three days Faculty Development Program (FDP) for Student Induction Program for AICTE approved institutions at VGEC, Chandkheda, Ahmedabad during January 29-31, 2019
- ❖ Mr. Palak Patel attended 05 Days Workshop on Students' Star up Innovation Policy" at Manthan, EDII, Ahmedabad during February 25 – March 01, 2019



## Students' Alley

### A Hostelite

A boy once the most disobedient child in the house  
making efforts on taking the life to right path.

His eyes had more tears than anyone.

Behind his temple thinking about what will happen  
tomorrow.

His body was bare with soul at his home.  
and when stepping in the room becomes difficult he knew it  
was time to meet MOM again.

Where strangers became family  
one hindu and one muslim wishing marry christmas.

Excited for holidays packing as fast as possible  
but cheeks roll down with tears at the time of leaving.

With watery mouthhehurry to eat food made by his MOM.  
and some strength from his DAD



**Meet Vasani**

18SE02CE049

Computer Engineering

### The Raw Importance of Focused Concentration-a Powerful View of Reality

Experts define focus as the act of concentrating your interest or activity on something. That's boring isn't it? Feels like reading a school book. But there's an important insight hiding inside that definition. What is Focus?

It works only when one thing is chosen amongst the bundle of different tasks. Elimination is a prerequisite for focus. What you don't do determines what you can do. Focus is the key to productivity. Now we don't want difficulty to overpower us, so we do multitask. Technically we are capable of doing it (i.e. memorizing while watching TV). But at any single instant you are focusing on either of the 2 tasks. The TV with background noise will not make your memorizing efficient. Multitasking forces your brain to switch your focus back and forth very quickly from one task to another. Have you ever been in the situation while writing an email and someone interrupts you? When conversation is over and you get back on the email which you were writing, with all the efforts and bearings you try to remember what you were writing. Something similar like this happens when you multitask. Productivity of work decreases when we switch from one task to another.

Methods to increase focus—

1. Measure your results.
2. Focus on the Process, not the event.
3. Choose an anchor (one priority work with other regular work)task.
4. Manage your energy, not your time.

*"Productivity is never an accident. It is always the result of excellence, intelligent planning and focused efforts."*





## Faculty Thinks...

### ચૂંટણી



**Mr. Paresh Mistry**

Asst. Professor

Department of Civil Engineering

ચૂંટણી એટલે લોકશાહીનું ઉત્તમ વ્રત. વ્રતનું પાલન એટલે મતદાન કરવું. સમગ્ર દેશના સુચારૂ વહીવટ માટે નિયત મુદ્દતના અંતે ચૂંટણી યોજાય છે. આપણા દેશમાં ૧૮ વર્ષની ઉમરના પૂર્ણ થયે મતદાનનો અધિકાર મળે છે. પસંદગીના સુયોગ્ય ઉમેદવાર ચૂંટવા માટે મતદાર પોતાના પવિત્ર મતનો ઉપયોગ કરે છે. ચૂંટણી પંચ મતદાન માટે તમામ વ્યવસ્થા કરે છે. જરૂરી મતદાન મથકો, મતદાન કર્મચારીઓ તેમજ સલામતી વ્યવસ્થા ઉભી કરે છે. હાલ મતદાનની બે પ્રક્રિયા અમલમાં છે. (૧) મત પત્રક દ્વારા અને (૨) ઈલેક્ટ્રોનિક વોટીંગ મશીન દ્વારા. વોટીંગ મશીનથી મતદાન પ્રક્રિયા ઝડપી થાય છે અને જે તે ઉમેદવારને જ મતપત્રકથી અભાણ, અજ્ઞાન, વૃદ્ધ મતદારને મતદાન કરવાની તકલીફ પડે છે. એટલે ઘણા બધા મત ફેઈલ પણ થાય છે.

ચૂંટણી લોકશાહી વહીવટ માટે ખૂબ જ અગત્યની પ્રક્રિયા છે. પરંતુ ઉમેદવાર માટે ચોક્કસ નિતી નિયમો હોવા જોઈએ. ચોક્કસ શૈક્ષણિક લાયકતા વિના થોડું ભણેલા હિંદી કે અંગ્રેજી ભાષા ન જાણનાર માત્ર જ્ઞાતિ-ધર્મના આધારે સંખ્યા બળ ધરાવનાર ઉમેદવાર પોતાના મતવિસ્તારનું ભલું ન કરવાને બદલે પ્રજા વિકાસ નહિ, કરોડો અબજો રૂપિયાની ગેરરીતિ કરીને પોતાની સાત પેઢીનું જ વિચારે તે કેટલું વ્યાજબી છે? સરકારી ગ્રાન્ટ વપરાશનો હિસાબ અને જે તે મતવિસ્તારના થયેલ વિકાસ કામો માટે ઓડીટ અને ગુણવત્તા નિરીક્ષણ થવું જોઈએ. યોગ્ય કામ ન કરનાર ને જે તે ચૂંટાયેલ સભ્ય ને સસ્પેન્ડ કરવાની જોગવાઈ હોવી જોઈએ. ચૂંટાયા પછી તકસાધુ પક્ષપલતા માટે સદંતર પ્રતિબંધ હોવો જોઈએ. અમૂકવાર પાંચ વર્ષની મુદ્દત પેહલાં સરકારને યેન કેન પ્રકારે ઉથલાવી નાખવામાં આવે છે. તો માત્ર ૧ થી ૫ વર્ષ માટે સભ્યોને મળતું હજારો રૂપિયાનું પેન્શન બિલકુલ ન મળવું જોઈએ મોટાભાગે જે તે ચૂંટાયેલ સભ્યો દ્વારા પોતાના મતવિસ્તાર માટે ખાસ કંઈ ગ્રાન્ટ વપરાશ કે વિકાસ જોવા મળતો નથી. તો તેવા સભ્યો પાસે જે તે રકમનો વ્યાજ સહિત દંડ વસૂલાતની જોગવાઈ હોવી જોઈએ. પ્રજાની જાણ માટે ચૂંટાયેલ સભ્યએ કરેલ કામગીરીનો દર માસે અહેવાલ દૈનિકની પત્રમાં અને પ્રત્યક્ષ ટી.વી મારફતે રજૂ કરવાનો નિયમ હોય તો મતદારને પણ ખ્યાલ આવે કે તેમના ભલા માટે શું કરવામાં આવ્યું છે. નોકરીની જેમ વિધાનસભા કે લોકસભા માટે તેમજ ગ્રામ ,તાલુકા , જિલ્લાપંચાયતના સભ્ય માટે પણ નિયત શૈક્ષણિક લાયકતા નક્કી કરવી જોઈએ તેજ ઉમેદવાર તરીકે ફોમ ભરી શકે.

લોકશાહીને જીવંત રાખવા તેમજ જતન કરવા ચૂંટણી તો જરૂરી છે જ પરંતુ પારદર્શક પ્રજાલક્ષી ઉમદા વહીવટ વિશેષ અનિવાર્ય છે તો જ રામરાજ્યની સ્થાપના થઈ શકે.

જય જય ગરવી ગુજરાત

જય હિન્દ !



## Nature through Engineer's Eye



**Dhruv Vagadiya (B. Sc. IT) (18SSo2ITo35)**

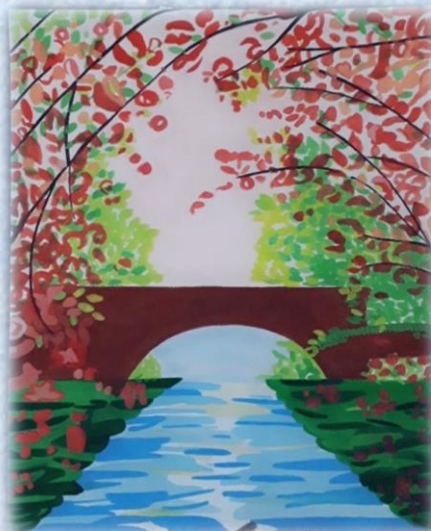


**Vrajesh Bhatt (Computer Engineering) (17SE02CE005)**



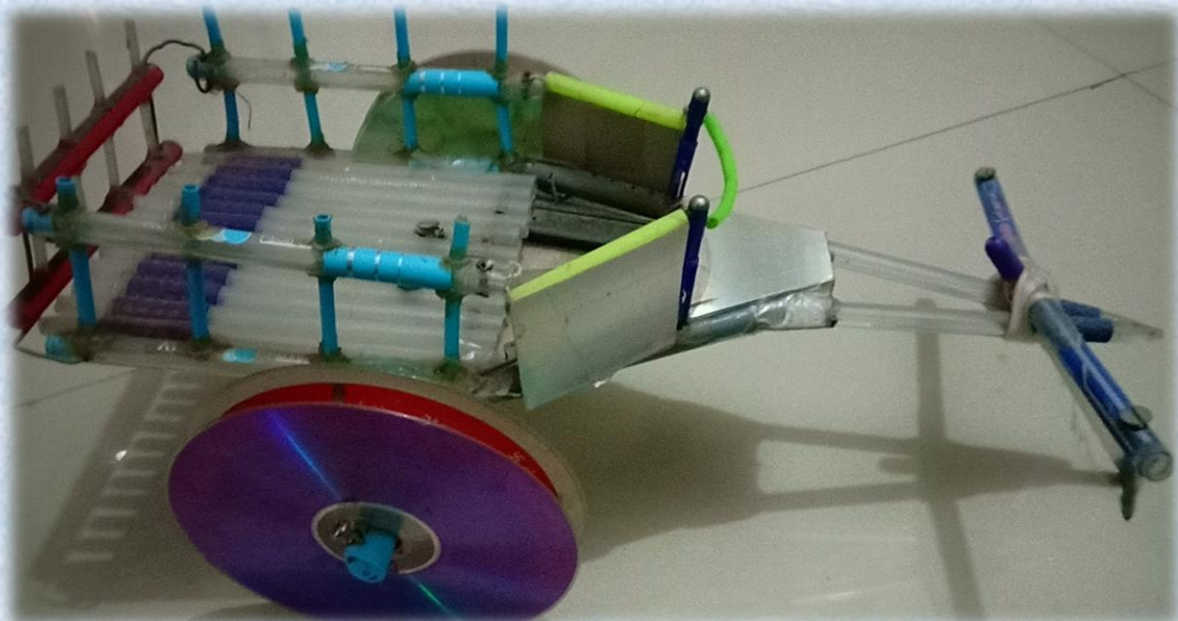
## Creative Corner

**Mansi Vankar**  
(B. Sc. IT)  
(18SSo2IT039)





**Sanjana Bhabharoliya (IT) (18SE02IT001)**



**Dhruv Pokal (IT) (17SE02IT041)**



**Be the first to answer...**

### CROSSWORD

*Note: Submit the hard copy (Printed) of filled cross word to Mr. Ravirajsinh Chauhan, Assistant Professor, SoE. First to submit will be recognized in the next issue.*



### Across

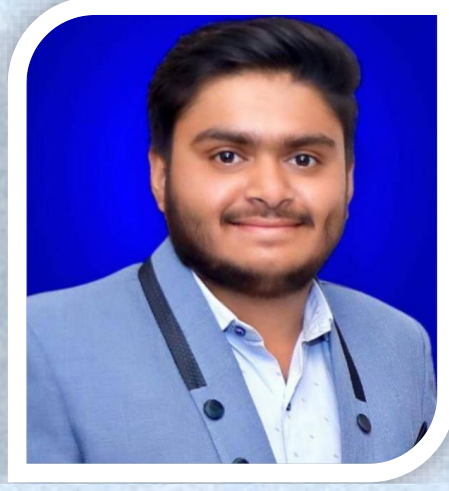
2. Which is the first country to issue paper currency?
4. Prime Minister Narendra Modi released the new series of "visually impaired friendly circulation" coins. Which denomination coin will be of 12-edged polygon shape?(Hint: Number in words)
5. From which country did Porsche originated?
6. Which war did Captain America fight in? (Hint: Which World War?)
8. The Supreme Court has approved to form mediation panel to resolve Ram Temple-Babri Masjid dispute case. The mediation proceedings are scheduled to take place in which city?
10. How many world records are set by Kumbh mela 2019?
14. "I'll be back." Arnold turned this simple line into his greatest catchphrase and this movie spawned a robot army of stunt-spectacular sequels, a Universal Studios attraction, and a TV show. Which movie is this?
16. Which city was ranked as the World's most polluted city of 2018 as per the report released by IQ Air Air Visual and Greenpeace on March 5, 2019?
17. The concept of Inertia was developed by?
20. The Internet of Things (IoT) India Congress 2019 is scheduled to be held in which city?
22. Which Asian country is hosting the Special Olympics World Summer Games 2019?
23. Who was the first person to reach South Pole?
28. Which app has been launched by Union Urban Affairs Minister that digitalises the process of conversion of a property from leasehold to freehold?
29. What is the name of Thor's hammer?
30. Which country is Gangnam Style from?
31. According to Marvel Cinematic Universe "Who has the Infinity Gauntlet?"
33. Ausaf Sayeed has been appointed as the new Indian Ambassador to which nation?

### Down

1. In which country the world's first nuclear power station was built?
3. What does HP stands for?
7. What is the main constituent of coal gas?
9. In 2007's "Transformers", who claims this motto: "Freedom is the right of all sentient beings"?
11. What is the currency of Japan?
12. Which mathematical symbol is the name of an Ed Sheeran album?
13. What is the name of longest dam of India?
15. Which gas is most popular as laughing gas?
18. From HBO's Tv-show "GAME OF THRONES" What is the name Jon Snow's mother?(Hint: First name only)
19. What was name of person in real life whose character is played by Akshay Kumar in Padman movie?
21. Which was first country to have a president?
24. What goes up but never moves?
25. In which month the International Men's Day celebrated across world?
26. Marayoor jaggery, a world-famous delicacy, got a Geographical Indication (GI) tag recently. It belongs to which state?
27. Which metal remains in the liquid form under normal condition?
32. Acc. To MCU-"Where is Black Panther from?"
34. What is another word for a 'lexicon'?
35. Silicon city of India?



## સ્મરણાંજલિ



**Dhruvin Lathiya**  
(Computer Engineering)

### સમય જ્યારે વીતી જાય છે

સમય સમય ની વાત છે, ખબર નહિ ક્યારે વીતી જાય છે.

કાલે હતો સમય તારો, જે થયો ભૂતકાળ છે.  
આજે છે સમય તારો, માણી લે આ,  
પળ સમજાય છે, જ્યારે સમય વીતી જાય છે.

કાલે હતો હસતો- ખિલખિલાતો ચહેરો,  
ખબર નહિ આજે ક્યાં ગયો એ ચેહરો,  
પળવારમાં જાણે તું છે નો હતો થઈ જાય છે.

સમય સમય ની વાત છે, ખબર નહિ ક્યારે વીતી જાય છે.

સમય જાય છે પછી સમજાય છે,  
સંબંધ અને મિત્રતા સમય દેખાડી જાય છે.  
કાલે તું મારી સાથે બેસી હસતો,  
આજે આકાશમાંથી મુસ્કુરાય છે.

સમય સમય ની વાત છે, ખબર નહિ ક્યારે વીતી જાય છે.

- પાયલ ભટ્ટ  
આસ. પ્રોફેસર  
સ્કૂલ ઓફ એન્જીનીયરીંગ

### શ્રદ્ધાંજલિ

તું એક સુરજ હતો  
જે બધાને ચમકાવીને ગયો.  
અમે પથ્થર હતાં  
જેને તું ફૂલ બનાવીને ગયો

કેટલી સરસ એ મુલાકાત હતી  
જાણે ક્યામતની રાત હતી.  
યાંદ, તારા અને પ્રાર્થનાનો સુર  
તારો સંગાથ જાણે હૃદયનું નૂર.

જાણે કાયનાત સાથ હતી  
શું ખબર એ આખરી મુલાકાત હતી.  
ત્રણ અક્ષરનું કાળજું કે આ ધાવ સહન કરે  
ખોટ પડી છે મોટી એના પરિવારને  
પ્રભુ એના આત્માને પરમ શાંતિ અર્પણ કરે.

- રુચિતા ભાદાણી  
(17SE02IT007)

ડીપાર્ટમેન્ટ ઓફ ઇન્ફોર્મેશન ટેકનોલોજી

સમસ્ત પી પી સવાણી યુનિવર્સિટી પરિવાર વતી ભાવભીની શ્રદ્ધાંજલિ



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