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time to step ahead...

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The Gardi Times

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YOUR CHILDREN NEED YOUR PRESENCE MORE THAN YOUR PRESENTS



Kids and teens do better in academics when parents get involved. Attending parent–teacher conferences is one way to be involved and help your child succeed. With the same objective, to communicate with parents a meet was organized for the students of 6th semester from the Department of Computer Engineering and IT. The meet was held on 28th January, 2018 where Prof. Hemal Rajyaguru, Prof. Monika Shah and Prof. Heer Dholakiya were the facilitator.

Key idea for this session was to provide platform for faculty and parents interaction. Prof. Hemal Rajyaguru has given very important career related guidance to not only students but to their parents also. The meet contained useful information about placement, company selection criteria, skill required to get selected as employee in MNCs. Parents can get sight about 21st century skill so that they can also involve in their child's career building.



NOURISHMENT AND EXERCISE OF THE MIND

RIGHT CHOICES FOR A CAREER

Objective:

Enlighten students regarding research, development and startup skill enhancements

Introduction:

The department of Mechanical Engineering organized an expert talk of **Mr. Ankur Khanpara who has graduated from B. H. Gardi College of Engineering and Technology**. Presently he is pursuing full time dual degree i.e. M. Tech and PhD, a research scholar at IIT Bombay in Centre for Technology Alternative for Rural Area. His current research area is *“Enabling farmers to tap the value chain through technological intervention”*

The main motive of the session was to enable students regarding the scopes and trends in the field of research and start up and also to develop their managerial skills which would be helpful for their future goals. Research helps people nurture their potential and achieve goals through various opportunities. These can be in the form of securing employment, scholarships, training grants, project funding, business collaboration, and budget traveling, among others.

Outcome:

Students were able to understand various scopes regarding research and development. Students would be able to magnify their skills regarding the observation and market scenarios which are nowadays going with full throttle. Students were be able identify and explore the actual field out of the box. This session would also become helpful for students who want to pursue higher studies in IITs and NITs.



Feedbacks:

I felt that this is the best expert talk I have ever attained.

- Raj Kalavadiya

I got guidelines about GATE & Research work for future.

- Kishan Amlani

I got some tips about my project work and preparation for BE.

- Alias Shanghar

This session was so much helpful.

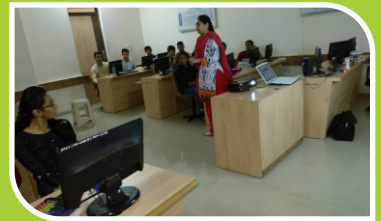
-Ronak Vaghela



EVERYTHING THAT CAN BE AUTOMATED WILL BE AUTOMATED

OPPORTUNITIES AND APPLICATIONS ACROSS INDUSTRIES

The vision of the Internet of things has evolved due to a convergence of multiple technologies, including ubiquitous wireless communication, real-time analytics, machine learning, commodity sensors, and embedded systems. This means that the traditional fields of embedded systems, wireless sensor networks, control systems, automation (including home and building automation), and others all contribute to enabling the Internet of things. An expert talk was arranged on 2nd February, 2018 by Prof. H. A. Durani for the students of MCA 4th semester for getting awareness of new trend and technology available in the market in the current scenario.



The expert talk was divided into following activities...

Activity-1 Familiar with IOT

- Making awareness of IOT, working functionality in today's world.
- Demonstrating with latest technology videos of IOT

Activity-2 Knowledge about Arduino

- Working module of Arduino
- Explaining flow of Arduino towards IOT,
- Basic knowledge of Sensor and connecting with Arduino Node.

Activity-3 Demonstration

- Live Demonstration of Module of IOT blinking of Bulb with Android Application.

Activity-4 Working Module of Demonstration

- During the workshop understanding the flow of digital world using IOT Concepts
- Examples

REFUSE TO QUIET - MCA BATCH 2016-18



PATOLIYA DHAIVAL
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RANK: 1



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INSPIRING NEW WAYS

BRIDGING THE GAP THROUGH HANDS ON LEARNING

AN INDUSTRIAL TOUR TO CONSTRUCTION SITE

Industrial visit is very important to any student undergoing professional education such as Engineering to show case all the real working equipment, machinery, operational methodology and everything else.

The Department of Civil Engineering conducted the educational tour for the first Year student under the subject of Element of Civil Engineering.

- ✓ **Prof. Nidhi Chandarana** had co-ordinated with the owner of Decora Projects, Mr. Chirag Patel
- ✓ Project was carrying huge carpet starting from 2000 to 5000 sq. feet, as per carpet Project was 2nd largest in Rajkot city.
- 5 towers carrying 12 floors and individual amenities like club house, swimming pool, gym, theater, outdoor as well as indoor games.
- ✓ Visit was successfully executed on 11th Dec, 2017.
- ✓ Students observed different component of Civil Engineering.
- ✓ Structure learned and analyzed about substructure and superstructure.
- ✓ They observed construction of foundation to beam, column, plinth, slab, parapet etc.



Outcome:

- ✓ Students are able to clear their concepts from mind to vision.
- ✓ Students are able to get chance to interact with industry and by solving their difficulties.
- ✓ Able to Learn lot many learning things which were conceal on site.
- ✓ Able to make successful Interact with industry and field experience from 1st semester itself.



Engineering that works

Aim: To develop memorizing strength of the students for different types of analysis use to solve the structural members.

Content: Department of Civil Engineering has organized an event "Poster-O-Making" on 27th September, 2017 for 5th semester students. The event was organized by Prof. Jay Kapadiya and student coordinator Mr. Achal Sharma. Students have to prepare a poster on different structural analysis methods to calculate shear forces and moments along the different spans.

Outcome: The students were able to remember the basic formulas and methods for calculate the forces and moments.

ENGINEERING THAT WORKS

INSPIRING NEW WAYS

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The students were able to remember the basic formulas and methods for calculate the forces and moments.



Project Fair-2017



Objective:

To enhance the technical skill of the students by interacting with industry delegates **B. H. Gardi College of Engineering and Technology** organized “**Final Year Project Fair**” on **3rd October, 2017** which was a combination of Technology and knowledge sharing. Total 140 teams of students presented their project at project fair. We were bestowed by the esteemed presence of more than 12 industrial experts. It was a marvellous experience for students who presented the project and also for the attendees of the activity who grabbed maximum out of it. Industrial Delegates enjoyed thoroughly and shared their valuable knowledge with students and faculties.



COMMITTED TO EXCELLENCE

Faculty Achievements

Prof. Manish P. Patel,

Head, Department of Electronics & Communication Engineering,
participated in 1-day seminar on

“Critical Thinking and Problem Solving Skill” organized
by Genius EduSol system, conducted at Gardi Vidyapith on 10th January 2018.



Prof. Manish Patel

Parth Khatsuria Final year Student from
the Department of Electronics & Communication
Engineering placed as a Trainee Engineer With
2.16 Lac package in
I-Link Infosoft Consultants Pvt. Ltd.,Ahemdabad.



Parth Khatsuria



Deep Kaleriya

Deep Kaleriya Final year Student from
the Department of Electronics & Communication
Engineering placed as a Trainee Engineer
With 1.62 Lac packages in
Galore Network Pvt. Ltd., Rajkot

Mehta Hardik Mayurbhai, Student from
the Department of Electronics & Communication
(ME EC (CSE) 3rd Semester)
secured 1st rank in the college in
GTU SUMMER-2017 Examinations.

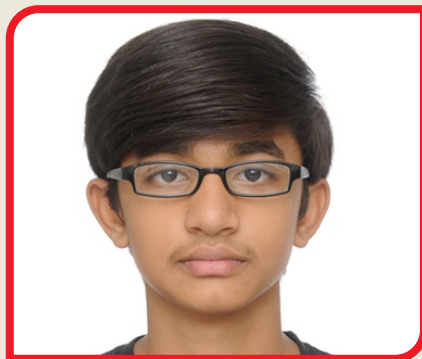


Mehta Hardik



Dharmesh Parmar

Dharmesh Parmar Final year Student from
the Department of Electronics & Communication
Engineering placed as a Trainee Engineer
With 3.4 Lac package in
MATRIX COMSEC Company, Baroda.



Keyur Bhimani (6th CSE)

1. He has successfully completed 14 hours of **“Learn and Understand C++”**
– Online Course on 1th February, 2018.
2. He has successfully completed 4.5 hours of
“The Complete C Programming Tutorial” – Online Course on 31st January, 2018.
3. He has successfully completed 2 hours of
“Learn Programming in Python with the Power of Animation”
– Online Course on 28th January, 2018.
4. He has successfully completed of **“PHP Tutorial Course”**
– Online Course on 13th January, 2018.
5. He has successfully completed of **“HTML Fundamentals Course”**
– Online Course on 13th January, 2018.

She has successfully completed Online Course provided by Eckovation in
“Cyber Awareness Foundation Course” on 16th February 2018.



Anjali Vaghela (4th CE)

COMMITTED TO EXCELLENCE



Adani Parth (6th CSE)

1. He has achieved **49889 Rank in HTML Exam** on 10th Feb 2018 and has been awarded for Outstanding Performance and Exemplary Contribution on TechGig.com.
2. He has achieved **15696 Rank in Computer Other Exam** on 10th Feb 2018 and has been awarded for Outstanding Performance and Exemplary Contribution on TechGig.com.
3. He has achieved **15875 Rank in CSS Exam** on 6th Feb 2018 and has been awarded for Outstanding Performance and Exemplary Contribution on TechGig.com.
4. He has achieved **7728 Rank in PHP Exam** on 30th Jan 2018 and has been awarded for Outstanding Performance and Exemplary Contribution on TechGig.com.



Priyank Vadaliya (6th CSE)

1. He has successfully completed 4.5 hours of **"PYTHON – A to Z Course for Beginners"** – Online Course on 30th January, 2018.
2. He has successfully completed 1 hour of **"How Hackers Infiltrate Computers Using Trojans"** – Online Course on 29th January, 2018.
3. He has successfully completed 33 Min training course provided by Udeemy in **"Security Awareness Campaigns Training"** on 29 January 2018.
4. He has successfully completed 1 hours training course provided by Udeemy in **"Hackers infiltrate Computer using Trojan online course"** on 29 January 2018.
5. He has achieved **16542 Rank in CISCO** on 5th January 2018 and has been awarded for Outstanding Performance and Exemplary Contribution on TechGig.com.
6. He has achieved **8766 Rank in CPP** on 5th Jan 2018 and has been awarded for Outstanding Performance and Exemplary Contribution on TechGig.com.

7. He has achieved **27660 Rank in Linux** on 5th Jan 2018 and has been awarded for Outstanding Performance and Exemplary Contribution on TechGig.com.
8. He has achieved **16160 Rank in MYSQL** on 5th Jan 2018 and has been awarded for Outstanding Performance and Exemplary Contribution on TechGig.com.
9. He has achieved **13703 Rank in Network Administration** on 5th Jan 2018 and has been awarded for Outstanding Performance and Exemplary Contribution on TechGig.com.
10. He has achieved **30645 Rank in C Programming** on 5th Jan 2018 and has been awarded for Outstanding Performance and Exemplary Contribution on TechGig.com.
11. He has achieved **15781 Rank in PHP** on 5th Jan 2018 and has been awarded for Outstanding Performance and Exemplary Contribution on TechGig.com.
12. He has successfully completed **"SOLOLEARN - HTML Fundamentals Course"** – Online Course on 2nd January, 2018.
13. He has successfully completed 4.25 hours training course provided by Cybrary in **"Web Application Penetration Testing"** on 1st January 2018.

COMMITTED TO EXCELLENCE

“Student's Achievement in a national level event “Techkshetra '18” at Maharaj Saiyajirao University (MSU), Vadodara, An event dedicated to our Indian Army”.

Karansinh Jadeja, from the Department of Computer Engineering, studying in 4th semester, has won the technical event “Texention” held under the national level event event “Techkshetra '18” at Maharaj Saiyajirao University (MSU), Vadodara dated on 16th, 17th and 18th February 2018.

Approximately, more than 75 students had participated in this activity, from all over Gujarat. This was an individual participation activity, mainly conducted to improve the communication skills and how strongly the participants can present themselves in front of the audience. The judgement was carried out based on these parameters. The students had to make a presentation on any topic they like and present it in the audience.

Karan had made the presentation on Artificial Intelligence on which he presented for 15 minutes. As an outcome of this participation, he had learnt various skills like time management, how to represent yourself in front of others, public speaking skills, etc.

Karan had also scored second rank in another event called “The students' parliament”, a non-technical event held at Techkshetra '18, in which approximately 100 students took participation. It had a unique concept of building an environment of an Indian Parliament among the students, and the students were divided into groups by the panel of reviewers and given some 20 current trending topics to debate on. These topics mainly covered almost all the points of discussion in today's environment. Later on the students were divided into the ruling party and opposition party and carried out the further rounds of debate.

Few of the topics covered in these debates were:

1. Is it alright to sing National Anthem in Cinemas? Or should we remove that policy?
2. Does India need to start one Child Policy?
3. Is Women Empowerment the main reason behind Divorces?
4. Should the citizens of other countries residing in India be allowed to vote in the elections?
5. Who is more caring and responsible? A Girl or a Boy?
6. Is Cell Phone Useful or Harmful?
7. Is there a need of war against Pakistan?
8. Is torturing the criminals the only solution to the problem?

Participation in this activity led him to understand the current situation of the society deeply and also he had improved his skills like team work, expressing your thoughts at right time right way, etc.

Here are the glimpses of his achievements:



INDUSTRY ORIENTED PERSONAL ASSESSMENT

DEPARTMENT OF COMPUTER ENGINEERING AND TECHNOLOGY



Industry Oriented Personal Assessment(IOPA) – Phase 1 event was organized on 20th February,2018 for 4th semester CE/IT student to perform various activities, which is beneficial to students in improving their 21st century skills. As several industries have specific requirements for employment such as Communication skills, Leadership skills, Analytical skills, Logical skills, Problem solving skill, decision making skill, spontaneous thinking, critical thinking, convincing skill etc. Inputs for these activities are taken from the working professions of **IBM, Oracle, Wipro, TCS, Citibank, Infosys, and Cognizant** by Head of CE/IT Department **Prof. Hemal Rajyaguru and Prof. Vaibhav Gandhi** and Head of III cell **Prof. Rooshabh Kothari** for the purpose of betterment of students. Based on Student overall performance individual assessment has been carried out. As an outcome student can realize various area of improvement.

Here is the list of activities which are performed by students for IOPA.

Group Discussion:

This activity was conducted by Prof. Mitul Sheth and Prof. Pinal Rupani. In this activity, they have been provided with one latest topic on which they need to represent their view. The main idea behind this activity is to observe how a person speaks, what he/she speaks, their level of confidence, ability to listen, convincing other and his behavior towards their colleagues.

As an outcome students can

- Improve their Communication and Leadership skills
- Can improve their Analytical Thinking skills.
- Can build convincing power.
- It can test presence of your mind, depth of your knowledge and your ability to argue logically.



Extract Me:

This activity was conducted by Prof. Shyam Kotecha and Prof. Monika Shah. In this activity, one picture will be given to students and they need to describe a picture with respect to their own point of view and extract the message passed in image.

As an outcome students can

- Expand their knowledge
- Can improve their creativity and observation skill
- Can focus on important area.

Relay Coding:

This activity was conducted by Prof. Vaseem Ghada and Prof. Dharmik Vasiyani. In this activity, one problem will be assigned to each group of two students. For first 20 minutes, one teammate will solve the problem and after that second teammate will complete the remaining task.

As an outcome students can

- Develop inter-personal and team work skills.
- Develop problem-solving skills.
- Improve Thinking skills
- Make efficient analysis
- Improve Programming (Coding) Skills

Words are not enough to say:

This activity was conducted by Prof. Jatin Ambasana and Prof. Pooja Mehta. In this activity, they have been provided with a word. Based on that they have to make drawing as a form of expressions. Aim of this activity is, "Creation of drawing is more complex experience than the appropriation of a word".

As an outcome students can

- Improve Creativity
- Improve imagination power
- Expand types of knowledge
- Make efficient analysis
- Improve Programming (Coding) Skills

Debate:

This activity was conducted by Prof. Rahul Vora Prof. Hepi Suthar. In Debate they have provided individual topics of each group to have an opinion for the parties.

As an outcome students can

- Increase the learner's confidence and self-esteem.
- It can improve Convincing Power.
- Improves higher order and critical thinking skills.
- Enhances the ability to structure and organize thoughts.
- Encourages teamwork. Develops effective speech composition and delivery skills

Extempore:

This activity was conducted by Prof. Renish Padariya and Prof. Hardi Sanghavi. Extempore term is used for non- formally speaking of any topic. A random topic is allocated to the speaker on which they have to give speech.

As an outcome students can

- Improving candidate's self-confidence.
- Idea presentation with proper approach in given time frame.
- Improvement in communication skills and thought process.

React to act:

This activity was conducted by Prof. Madhuri Vaghasiya and Prof. Dishita Mashru. In this activity, they are providing one real life scenario, students need to react to that scenarios with proper justification of their decision and thoughts.

As an outcome students can

- Achieve, Inculcates Autonomous learning
- Aids Higher achievement, Improves Teamwork & Empathy,
- Grooms Analytical Reasoning

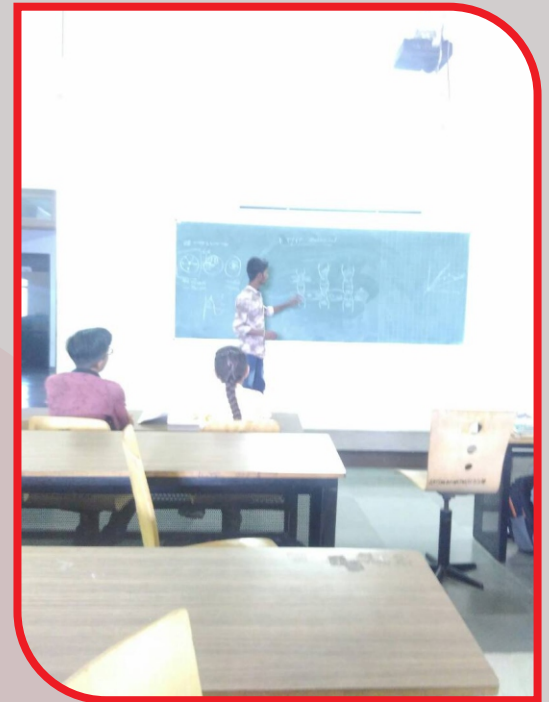
X- Factor:

This activity was conducted by Prof. Priyanka Raval and Prof. Kashyap Dave. In this activity, the main aim is to identify the hidden talent within, to judge level of confidence, to know about ourselves etc.

As an outcome students can

- Improve their confidence level and creativity skills
- Can improve passion, concentration power
- Can build self-esteem.

UNDERSTANDING, APPLYING, ANALYZING, EVALUATING ANALOG ELECTRONICS – SCALING AMPLIFIERS



- Active learning is generally defined as any instructional method that engages students in the learning process.
- Active learning is often contrasted to the traditional lecture where students passively receive information from the instructor.
- Learning by doing is an instant or we can say it is a surprising activity. In this activity, students were given a topic to prepare in 5 or 10 minutes. After that they had to explain their particular topics to the whole class.

Such an activity was organized with the students of semester third in the month of August, 2017 in the Department of Electronics & Communication of B. H. Gardi College of Engineering & Technology, by Prof. Abhishek Dave. The topic was summing, averaging and scaling amplifiers using different mode of op-amp under Analog Electronics.

The students can use any kind of material to prepare the topics. Class time was then spent on activities that encouraged students to process and apply their knowledge.

After the completion of the activity, students can know about their technical skills, communication skills. They can observe about how quick they are to get a topic and prepare it in a short time. Students were able to develop team work furthermore; problem solving skills and self-learning habit were improved.

UNDERSTANDING, APPLYING, ANALYZING, EVALUATING CHANNEL PARTITIONING PROTOCOLS

B. H. Gardi College of Engineering & Technology always believes in out-of-the-box thinking for the overall development of their students. The institute believes in imparting the knowledge through different types of teaching methodology.

Students applying their knowledge to compare different types of amplifier

Glimpse of the Activity



Innovation is the combination of ideas, leader, team and plan.

The best example has been shown by all the students of 4th Computer engineering - S class and a Teacher from the Department of Electronics and Communication.

Recently, **Prof. Manish Patel** had arranged Flip Class activity for the topic of

“A comparative study – Channel Partitioning Protocols”

under the subject of Computer Networks on 8th feb 2018.

As a part of out-class assignment, the students were asked to read the text book and answer few assessment questions.

The students were asked to solve in-class assignment in the form of TPS (Think, Pair & Share) activity.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING.

- Students read and understood the topic under consideration at their own.
- They Analyzed and Compared 2 main CP Protocols FDMA & TDMA for various parameters.

Level of Bloom's taxonomy involved:

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGG.

UNDERSTANDING, APPLYING, ANALYZING, EVALUATING ANALOG ELECTRONICS – SCALING AMPLIFIERS

1-DAY HANDS-ON WORKSHOP ON “PROGRAMMING THE ARM CORTEX-M3 SUPPORTED LANDTIGER DEVELOPMENT BOARD USING KEIL IDE”

1-day exploratory technical workshop was organized by Department of Electronic & Communication Engineering for the students of 6th semester on 28th December 2017 under the subject of Advanced Microprocessors. The aim was to make them familiar with one of the very important domain of EC engineering named Embedded Systems design.

The workshop was conveyed by **Mr. Ashish Mehta** who is working in **Digicom, Bangalore** as an Analog circuit design engineer.

He also guided the students for the carrier in Embedded System domain.

Crucial outcomes of this hands-on workshop were....

Students got familiar with the process of Embedded System design and ARM advance microprocessor. Hands-on practice on **ARM cortex-M3** architecture supported **Landtiger** development board using **Keil IDE** for programming the board.

At the end, Mr. Ashish Mehta was thanked and presented with memento as a token of love by the Prof. Manish Patel, Head of the Department of Electronics and Communication Engineering.



LEPROSY AND IT'S STIGMA ERADICATION (30TH JANUARY : WORLD LEPROSY DAY) LALITABEN RAMNIKLAL SHAH HOMOEOPATHY COLLEGE



LEPROSY, also known as Hansen's diseases, is a chronic infectious disease caused by *Mycobacterium leprae*, a microorganism that has a predilection for the skin and nerves. Though nonfatal, leprosy is the most common cause of nontraumatic peripheral neuropathy worldwide. The disease has been known to man since time immemorial. Over the past 20 years, the WHO implementation of MDT has rendered leprosy a less prevalent infection in 90% of its endemic countries with less than one case per 10,000 population. But even though the statistics show a decline in the spread of the disease, it gravely affects the overall physicality and mentality of the patient. As aware students of the divine science of Homeopathy, enthusiastically celebrated the Awareness event: Leprosy Eradication Day on 30th January 2018 in the college auditorium and spread awareness regarding this highly misinterpreted and discriminated disease and the steps required to eradicate it. In gracious presence of Respected Principal and Departmental Faculties, Homeopathic Aspirants narrated and posturized about leprosy.



The celebration began with the anchors started by the introduction to the event and welcomed the audiences to an exciting journey for next 1 hour. Fraternities explained colleagues about both the beauty and simplicity in complexity of Homeopathy. It is the only medical science that studies an individual as a whole and not the disease alone. The very essential Principle of Homeopathy '**SIMILIA SIMILIBUS CURENTUR**' was very well explained. The scopes in homeopathy are innumerable and speakers can't stop praising the wonders Homeopathy has done and is continuing to do in everyday life.

The main topic of Leprosy was brought under spotlight just after the introduction to Homeopathy and related aspects. Leprosy and the related Social Stigmas were explained to the audiences. How the disease's symptoms are curable, but not the way it is disgusted by the rest of the world, was brought to the audiences' notice.





Next came Leprosy eradication drama narration. The students gave on their gut to make all the drama photographs look real. Principal and even the Faculties supported in clicking the drama, and it really turned out to be a great, successful output.

The event was ended by a 'Vote of Thanks'. The whole program was very well appreciated and acknowledged by one and all. The little effort that students made to spread awareness regarding the sensitive issue of Leprosy garnered an overwhelming response from around the College Campus. It all turned out to be a very heartfelt event, which at the end of the day made each single individual realize the seriousness of disease and ways to bring about reforms in the society regarding it.

