

Sarvajani Education Society
Sarvajani College of Engineering & Technology, Surat.

Research and Development Cell

Academic Year 2020-21

Date: 2nd November, 2020

Report on

STI CONNECT FORUM



Speaker: Dr. Narottam Sahoo, Advisor GUJCOST,
Dr. Poonam Bhargava, Principal Scientific Officer,
GUJCOST
Dr. Payal Pandit, Scientific Officer (Research &
Development), GUJCOST
Ms. Jigisha Vala Patent Information Centre
Scientist B from GUJCOST.

Date & Time: 29th October 2020 (2:30 PM to 4:00 PM)

Venue: Online Event (Google Meet)
meet.google.com/txy-egce-xnz

Targeted Audience: Faculty Members from various Institutes

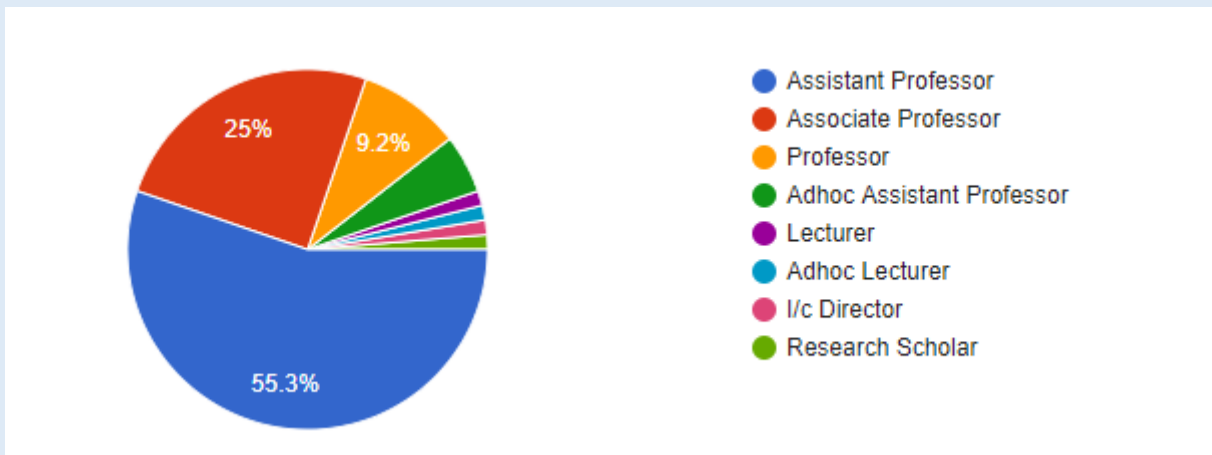
Participants: 75 Participants

“If necessity is the mother of invention, scientifically developed production is the mother of scientific research.”

-Sir Arthur Edwin Kennelly

Research and Development (R & D) Cell of Sarvajanic College of Engineering and Technology organized Online Science Technology and Innovation (STI) Connect Forum for R & D Proposal on State Priority Areas of Science & Technology, under the auspices of The Department of Science and Technology (DST) and GUJCOST on 29th October 2020 from 2:30 pm to 4:00 pm.

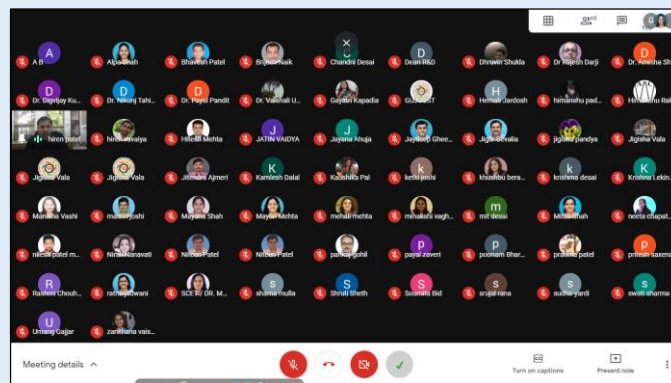
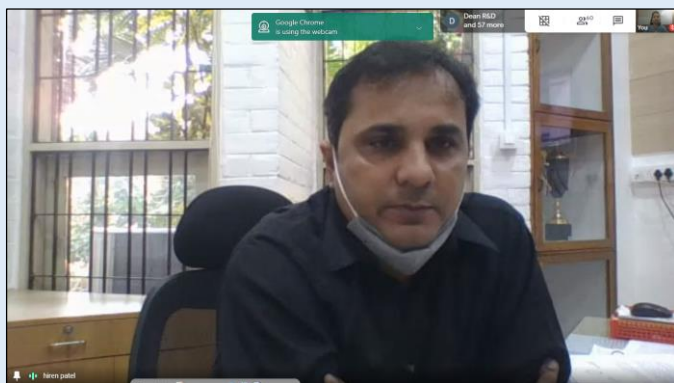
Faculties from the host Institute Sarvajanic College of Engg. & Tech., K.D.Polytechnic - Patan, C. K. Pithawalla College - Surat, Atmiya Institute of Technology and Science – Rajkot, S.V.N.I.T, Dr. S. & S. S. Ghandhy Government Engineering College – Surat, N. G. Patel Polytechnic – Isroli, Adani Institute of Infrastructure Engineering, Vidyabharti Trust College of BCA, Shree Swami Atmanand Saraswati Institute Of Technology- Surat, Gandhinagar Institute of Technology, Uka Tarsadia University, Parul Polytechnic Institute – Baroda, had participated in the Connect Forum.



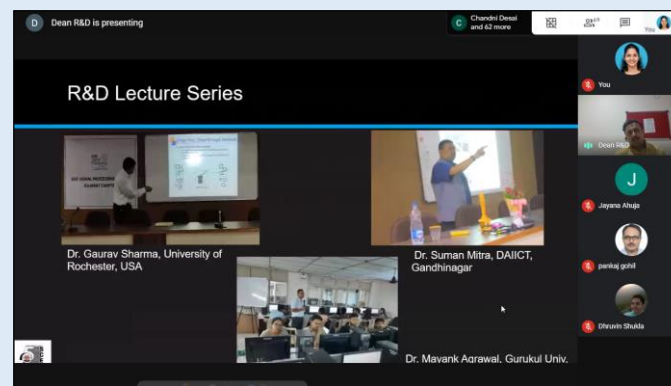
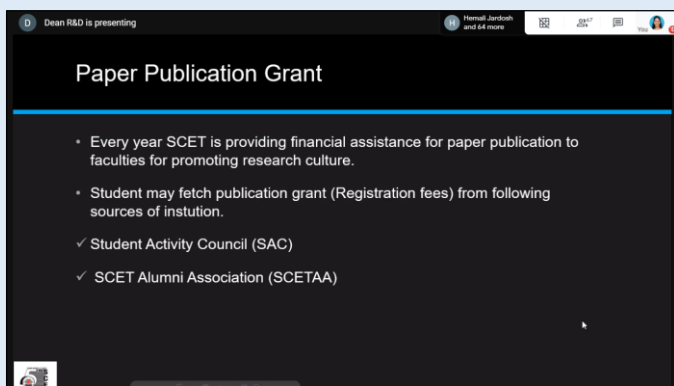
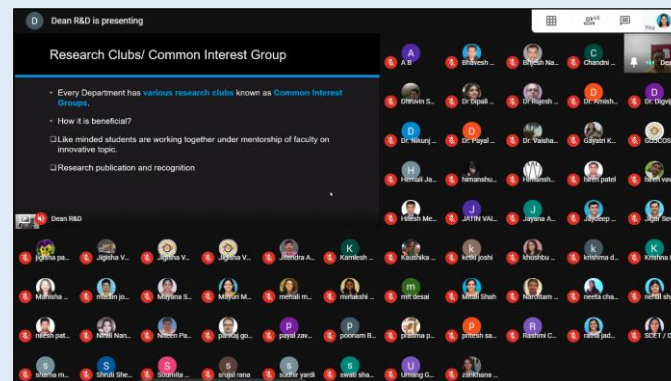
Detailed Schedule

| Time | Programme Activities | By |
|---|---|--|
| 02:30 to 02:40 pm | Inaugural Address | Dr. Hiren H. Patel, Principal, SCET |
| 02:40 to 02:45 pm | Research and Consultancy activities at SCET | Dr. Chirag N. Paunwala, Dean R&D, SCET |
| 02:45 to 02:55 pm | Brief about STI policy of Gujarat | Dr. Narottam Sahoo, Advisor, GUJCSOT |
| 02:55 to 03:10 pm | Presentation on Schemes under STI Policy: (i) Research and Development in Emerging Fields of S&T | Dr. Poonam Bhargava, Principal Scientific Officer, GUJCOST |
| 03:10 to 03:25 pm | Presentation on Schemes under STI Policy: (ii) Technology Demonstration and Pilot Deployment | Dr. Payal Pandit, Scientific Officer (R&D), GUJCOST |
| 03:25 to 03:40 pm | Presentation on Intellectual Property Facilitation at GUJCOST | Ms. Jigisha Vala PIC Scientist B, GUJCOST |
| 03:40 to 03:45 pm | Activity session on identification of problem statement as per state priority areas and open house | GUJCOST Team |
| 03:45 pm | Vote of thanks | Dr. Pankaj Gohil Associate Dean, R&D, SCET |
| MoC: Dr. Alpa Shah, R & D Representative, SCET | | |

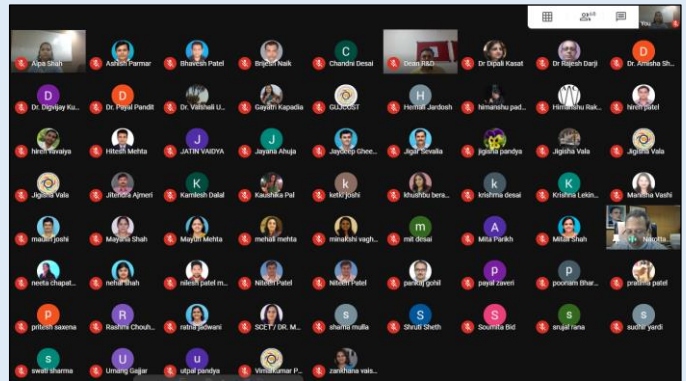
The Forum started by Inaugural Address by **Dr. Hiren Patel**, Principal, SCET.



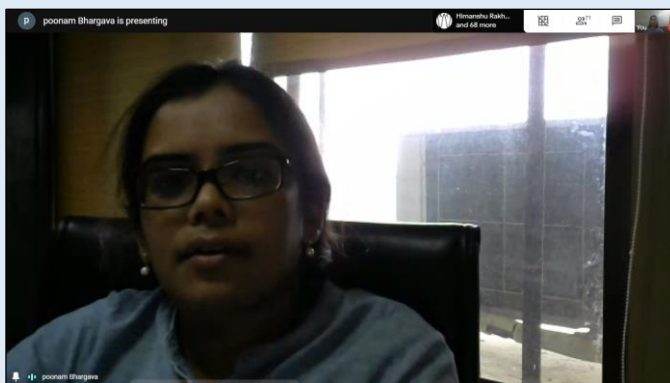
Dr. Chirag Paunwala, Dean R & D, showcased R & D Activities undertaken at the Institute.



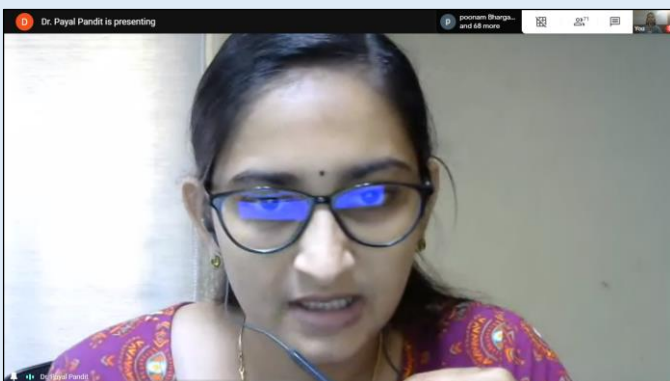
Dr. Narottam Sahoo, Advisor, GUJCOST briefed about various STI policies of Gujarat.



Dr. Poonam Bhargava, Principal Scientific Officer from GUJCOST presented various schemes under STI Policy Research and Development in Emerging Fields of Science & Technology.



Dr. Payal Pandit, Scientific Officer (R & D) presented on Schemes under STI Policy for Technology Demonstration and Pilot Deployment.



Dr. Payal Pandit is presenting

4.0 Eligible Organizations/Individuals

- The startups/SMEs/Entrepreneurs/Public sector organizations/individuals can apply for Technology Demonstration & Pilot Deployment scheme, who are willing to create innovations which are meant only for public sector needs.

5.0 Quantum of Assistance

- Assistance will be in the form of grant for necessary expenditure incurred, maximum Rs. 50.00 lakhs per pilot for maximum of three years of duration.

Dr. Payal Pandit

Dr. Payal Pandit is presenting

6.0 Selection Procedure

- GUJCOST will evaluate the proposal through a Technical Advisory Committee on the basis of following criteria:
 - Uniqueness of the pilot project
 - Underlying Innovation
 - Availability of competing commercial technologies / solutions built on other technologies
 - Reasonability of the estimated cost for pilot deployment sought
 - Viability of technology for scale up for the wholesome problem across geography or across the value chain
- The recommendation by Technical Advisory Committee (TAC) and approval of Executive Committee/Governing Board of GUJCOST will decide the final selection of the pilot deployment.

Dr. Payal Pandit

Dr. Payal Pandit is presenting

ii. For each of the pilot deployment projects, subject matter shall recommend a proposal indicating-

- Uniqueness of the project,
- Estimated cost of the pilot project,
- Time period for the pilot deployment and evaluation mechanism,
- Opinion with regard to lack of available commercial solutions or the cost advantages anticipated in the proposed pilot or efficiency advantage from the proposed solution.
- Technology / process innovations inherent in it.

Dr. Payal Pandit

Dr. Payal Pandit is presenting

viii. GUJCOST shall be monitoring the progress of the pilot project.

ix. Proposals shall be submitted in the prescribed Performa as prepared by GUJCOST and is available on its website.

x. GUJCOST will give an advertisement for inviting Original Research Projects for wide publicity. The proposals shall be invited round the year.

xi. Maximum project cost not more than Rs. 50.00 lakhs and three years' duration.

Dr. Payal Pandit

Dr. Payal Pandit is presenting

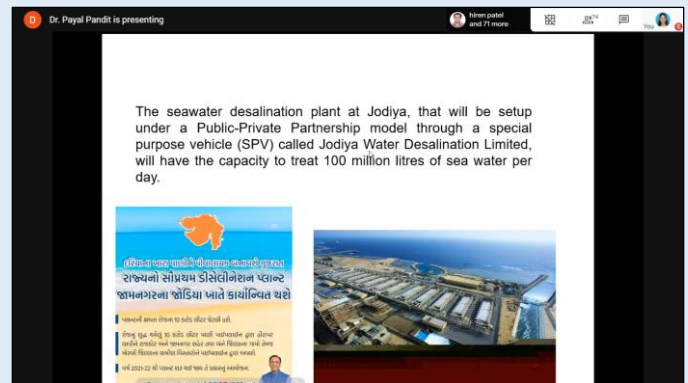
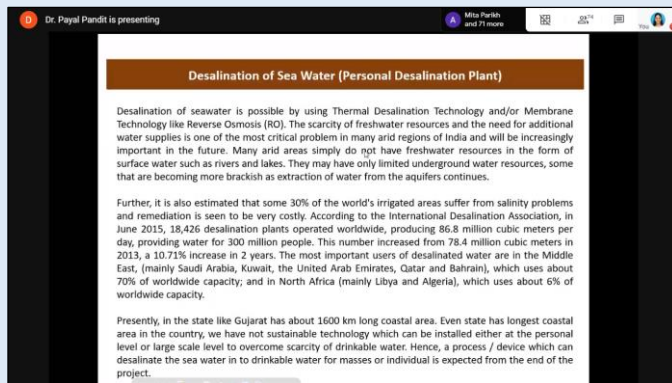
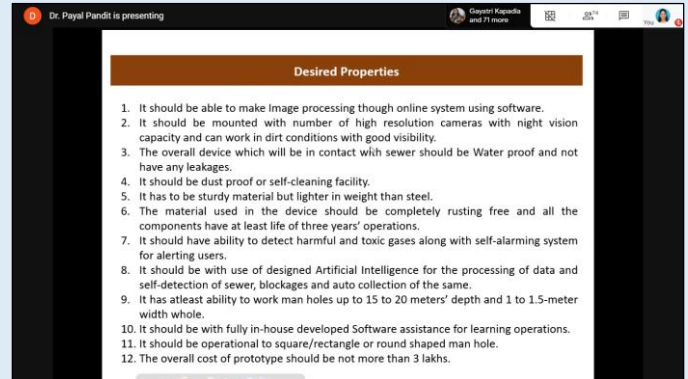
8.0 ADDRESS FOR CORRESPONDENCE

All correspondence, including proposals may be sent to the following address

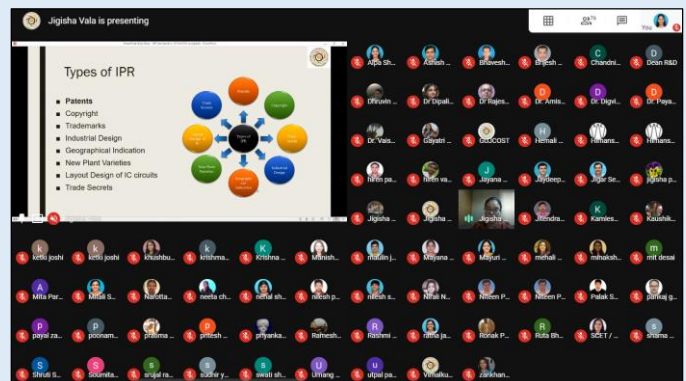
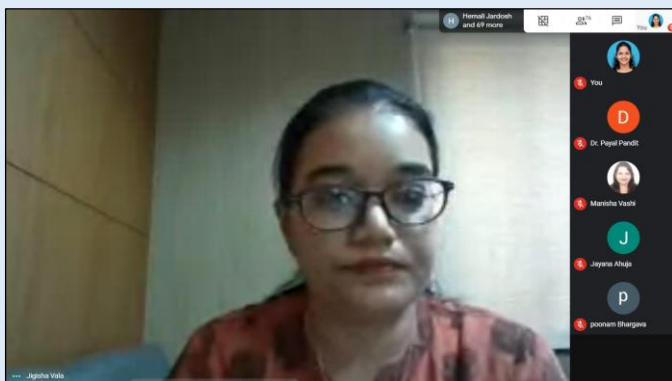
The Advisor and Member Secretary
Gujarat Council on Science and Technology
Block-8, 7th Floor, Sector-11, Gandhinagar - 382011
Tel: 079-23259368, Fax: 079-23259363
E-mail: adv-gujcost@gujarat.gov.in
info-gujcost@gujarat.gov.in
www.gujcost.gujarat.gov.in

Dr. Payal Pandit

Dr. Payal also presented various practical projects with social viability that are under implementation by researchers with grant received from GUJCOST. This really helped the participants to understand the entire process and requirements for sending research proposals to GUJCOST.



MSMEs plays vital role, in the development of any country and it is the growth engine of the large scale Industries in India. It is therefore important to protect the Intellectual Properties generated by Micro, Small and Medium industries. To create awareness of Intellectual Property Rights **Ms. Jigisha Vala** PIC Scientist B to presented her outlooks on Intellectual Property Facilitation at GUJCOST.



Jigisha Vala is presenting

Why to Patent?

- Exclusive rights (Protection to core technologies)
- Strategic Business Tools (Attract Funding / Increase in negotiating power)
- Positive image for your enterprise
- Strong market position (Branding and Marketing)
- Higher returns on investments
- Progress of science
- Opportunity to license or sell the invention (valuation of the organization)
- Revenue Generation from Licensing or selling the invention
- Motivation and Inspiration

Jigisha Vala is presenting

Take expert help for Patenting... This is why!!!

ABSTRACT OF THE INVENTION

Abstract of the invention is a summary of the invention. It is a short and concise statement of the invention. It is a summary of the invention. It is a short and concise statement of the invention. It is a summary of the invention. It is a short and concise statement of the invention.

CLAIMS

1. The claim that, Concrete containing 15% replacement gives higher compressive strength, with lesser strength and also with less higher than compared to conventional concrete.
2. The patent shall not be replaced up to 10% and the strength starts to decrease as the percentage replacement starts to increase.
3. In the present investigation the Patent shall not be used to study the effect on compressive and split strength of M40 grade concrete.
4. The flexural strength of the beam results upto 75.76 kN/m² under the replacement of 15% and curing period of 28 days.
5. It is economical and due to mass of agricultural waste contributes positive impact to the globe.
6. The global environmental "Solid waste management" problem can also be rectified by following this recommended material for construction of "Smart structures".

Violated Content requirements and length requirements

Violates Claim Structure as well as the content

Patent Application filed at Chennai Office, downloaded from Indian Patent Office - Published patent but not yet granted one

Jigisha Vala is presenting

What to do for Patent Filing?

Stu's Views

To patent it, I'd have to understand it.

Invention Disclosure Form

1. Title of the Invention (Less than 150 words)

2. Field of Invention (Briefly describe the field of the invention)

3. Name of the Inventors and their contact details (Name, address, email, phone)

4. Name and address of the applicant (If you are an inventor, you can be the applicant. If you are not, you must be the applicant.)

5. Is the work funded? (If yes, please provide the details of funding agency)

■ Inventor has to describe his invention and provide it to PIC

Ms. Jigisha also motivated faculties to file patents for their research work. She presented the patent filing trends of India and specifically of Gujarat for the year 2019-2020.

Jigisha Vala is presenting

Patent Filing Trends - India and Gujarat (2019-20 Data)

INDIA

GUJARAT

LET US RAISE THE BAR For GUJARAT and For INDIA

http://vipam.gov.in/trends/

University Patents GUJARAT

X-Axis: No. of Patents
Y-Axis: Number of Universities

Jigisha Vala is presenting

THANK YOU

For more information Please Explore:

1. www.patent.gov.in
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PMO India @PMOIndia

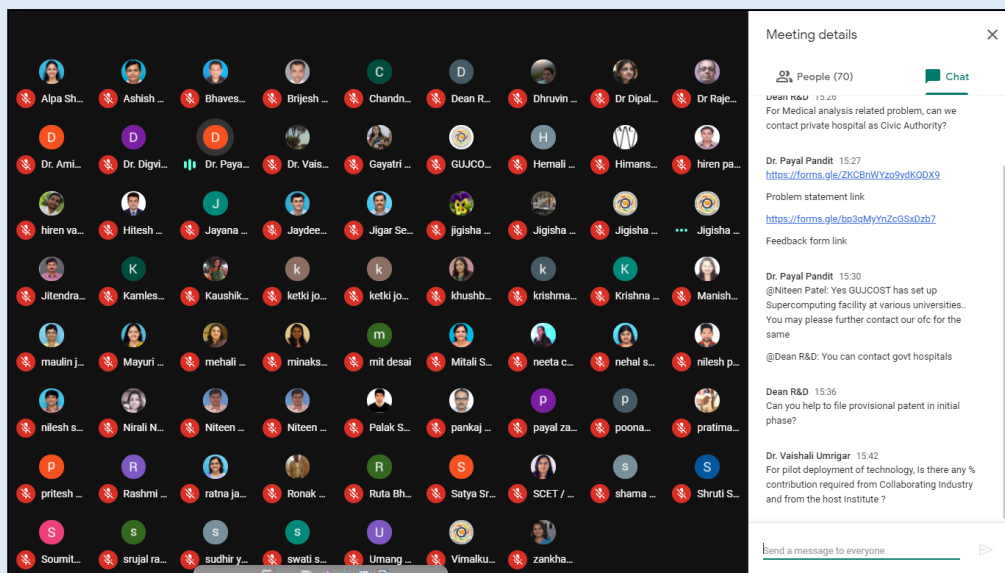
My motto for the young scientists in this country has been - "Innovate, Patent, Produce and Prosper". These four steps will lead our country towards faster development: PM @narendramodi

10:55 AM - Jan 3, 2020 · Twitter Web App

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An activity session where participants were required to submit the problem statement was opened. These problem statements would later on undergo a scrutiny at GUJCOST office and GUJCOST might ask a few selected participants to submit a detailed proposal based on the problem statement submitted by them.

Participants posted their questions in the chat box which were answered by GUJCOST team.



To express sincere gratitude towards the contribution of all, **Dr. Pankaj Gohil**, Associate Dean – R & D presented the vote of thanks.

The STI Connect Forum served as guiding star towards the journey of research, motivating faculties to incline towards research. R & D Cell expresses sincere gratitude towards **Dr. Hiren Patel – Principal SCET** for encouraging such activities and fostering research environment at SCET. We also express our thankfulness towards all the participants for making the session fruitful.

Report Compiled by Dr. Alpa Shah, R & D Representative – MCA Dept., SCET