

Government Engineering College, Gandhinagar

Biomedical Department

SSIP Potential Project Identification Meeting Report

1. Title of the Programme: **SSIP Potential Project Identification Meeting (Jan-2021)**

2. Date and Duration: **12th January 2021 From 11:30AM To 12:40PM**

3. Venue: **Virtual Meeting on Google Meet**

Joining info Join with Google Meet

meet.google.com/rky-ocyv-pfo

Join by phone

(US) +1 951-638-4530 (PIN: 354604368)

4. Industrial Expert:

i. **Mr. Keyur Ranpariya**, Territory Manager – Business Solution, HORIBA India Private Limited, New Delhi – 110020.

ii. **Mr. Manish Mandaviya**, Sales Service Manager, Shriji Health Care, Ahmedabad.

5. Total no. of participants: **29**

6. Details of SSIP Potential Projects: **Total Projects – 06**

Sr. No.	Name of Faculty Mentor	Title of SSIP Potential Project	Student Enrollment No.	Student Name
1	M. M. Nanavati	Designing Rehabilitation Aid to provide assistance to speech and Auditory Disabilities	170130103092	Harshil Rajodiya
			170130103093	Chiranjit Rathod
			170130103115	Vaghasiya Mitesh
2	V. P. Dave	Low cost EEG Device for Analysis of Alzheimer Disease	190130731012	Arpit D Shrimankar
3	P. V. Patel	Portable Cautery Machine	190130731003	Kavil Chetankumar Purohit
4	P. V. Patel	Multiparameter Analysis Kit	170130103055	Panchal Raagi Rushik
			170130103027	Jethva Divyanshi Harishbhai
			170130103062	Patel Akash Mitesh
5	H. K. Mehta	DIAGNOSIS AND ANALYSIS OF AILMENTS VIA IMAGE PROCESSING	180133103034	Trivedi Shloka Dipeshbhai
			170130103028	Joshi Dimple Malay
			170130103046	Swayam Prabha Mishra
6	N. V. Limbad	Microcontroller based advance portable infant incubator using monitoring of vital parameters.	170130103065	Patel Happyben Sunilkumar
			170130103102	Sharma Ashu Rajendrabhai
			170130103090	Prajapati Vishakha Sunilbhai

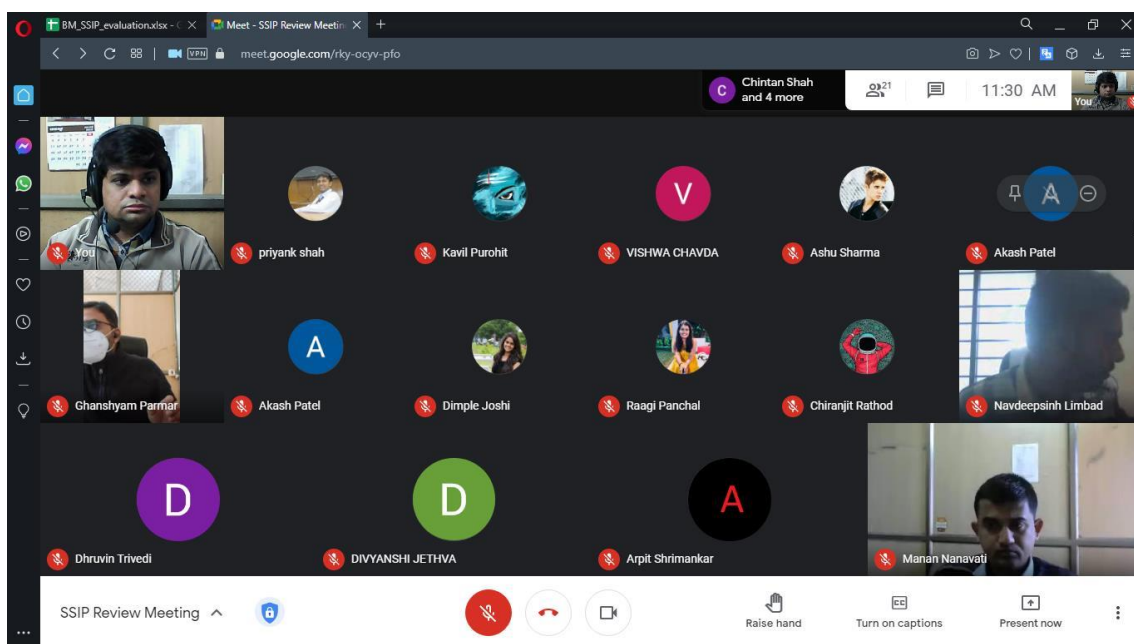
7. Program summary:

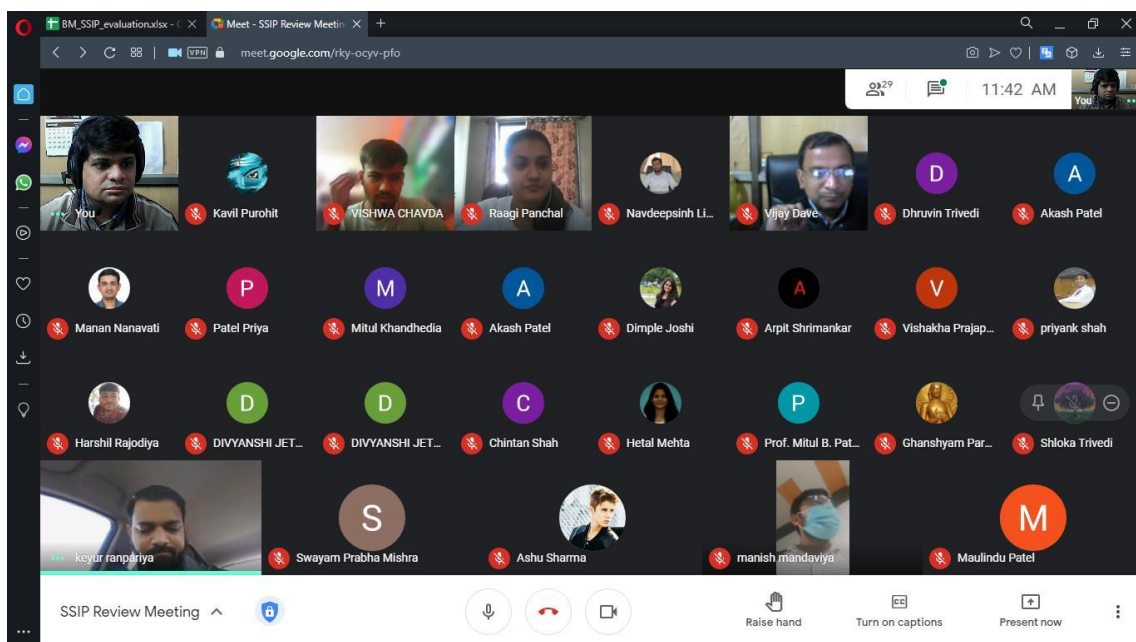
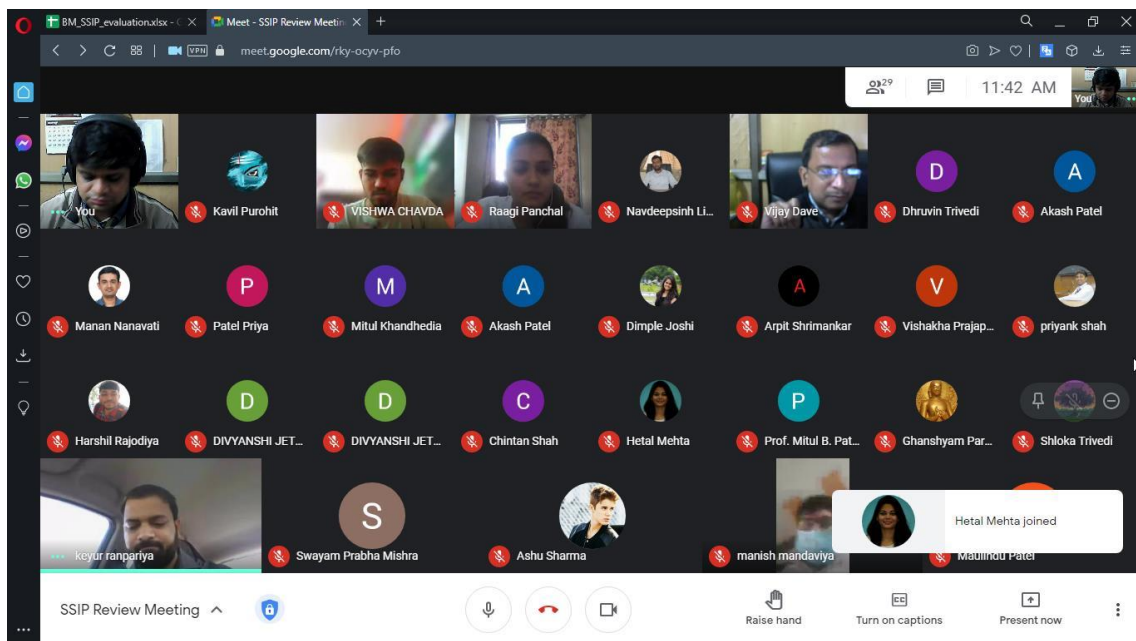
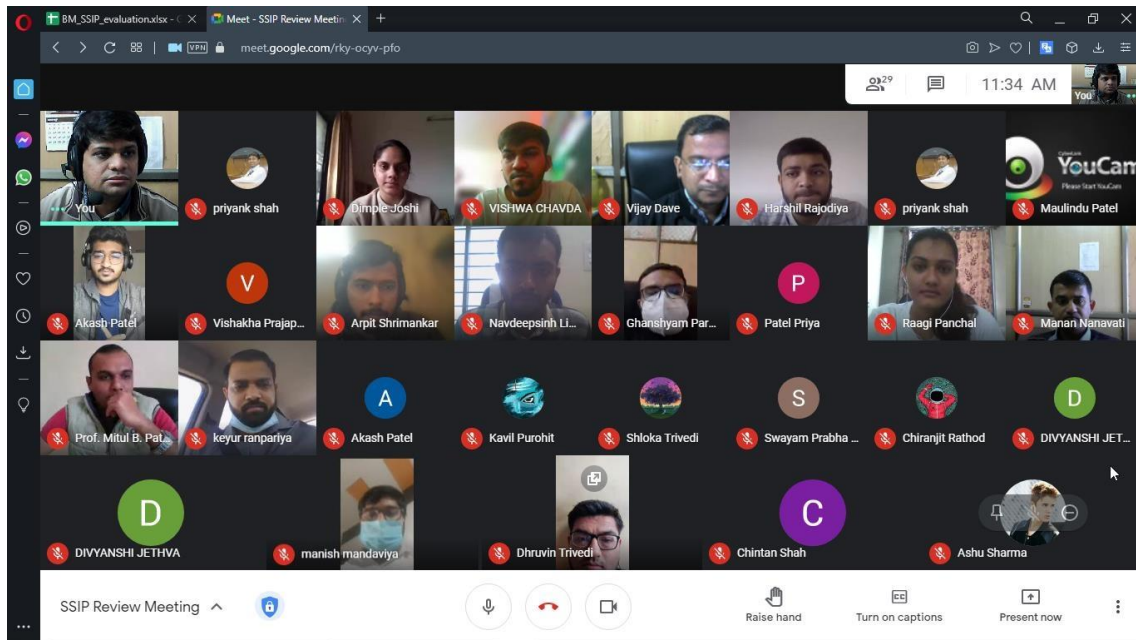
The Department of Biomedical Engineering had organized a SSIP Potential Project Identification Meeting for students and their project mentors who have proposed for funding under SSIP scheme on 12th January, 2021 on the Google Meet Platform. The meeting started at 11.30 a.m. Prof. G. D. Parmar, HOD, BM Department welcomed the gathering. He handed over to Prof. Piyush Patel. He compered the program.

After welcoming the industrial experts, the review of SSIP potential project proposal were take place in sequential order. The experts were given a google sheet for evaluating the proposal on the basis of 8 parameters i.e. Basic Analysis of the project; Level of Literature survey; Problem Understanding; Skill level of the students for actual implementation; Innovation, Creativity and Originality in implementation; Understanding of the Future Modifications, if any by the students; Market Viability & Cost Predictability; and Feasibility of solution provided. The experts were asked to fill the funding approval sheet for approving the amount of funding required by the project on the basis of its research and startup value.

At the end, Prof. Piyush Patel sincerely expressed gratitude to the industrial experts and Head of BM Department for sparing their valuable time, guidance and support to evaluate the proposals and thanked all Students and Mentors for attending the meeting and active participation in presenting their proposal.

8. Photographs of the online event:





SSIP_evaluation.xlsx | Meet - SSIP Review Meetin... | D:\DWORK\Files Made in P... | +

meet.google.com/rky-qcyv-pfo

Harshil Rajodiya is presenting

Microphone off

Arpit Shrimankar and 15 more

11:54 AM

Project title : Designing an rehabilitation aid to provide assistance to speech and auditory disabilities

Guided by: Prof. Manan M. Nanavati

Team members:

1. Harshil Rajodiya
2. Chiranjit Rathod
3. Mitesh Vaghasia

SSIP Review Meeting

Raise hand

Turn on captions

Harshil Rajodiya is presenting

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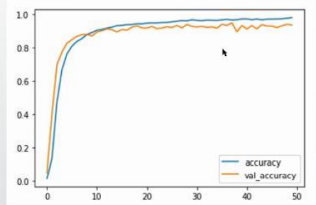
meet.google.com/rky-qcyv-pfo

Harshil Rajodiya is presenting

Dimple Joshi and 13 more

11:55 AM

Results



Model Parameters:

- Number of Classes : 72
- Number of Images : 12000 (70% for Training, 30% for Validation)

SSIP Review Meeting

Raise hand

Turn on captions

Harshil Rajodiya is presenting

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Arpit Shrimankar is presenting

Ashu Sharma and 14 more

11:59 AM

SSIP

A presentation on

Low Cost EEG Device for Analysis of Alzheimer Disease

Presented By :
Arpit D Shrimankar.
(190130731012)

Guided By :
Dr. Vijay P Dave.

Department of Biomedical Engineering, Government Engineering College, Sector 28, Gandhinagar-382028, Gujarat, India

SSIP Review Meeting

Raise hand

Turn on captions

Arpit Shrimankar is presenting

BM_SSIP_evaluation.xlsx Meet - SSIP Review Meeting D:\DWORK\Files Made in P...

meet.google.com/rky-ocv-pfo 12:00 PM

Arpit Shrimankar is presenting

INTRODUCTION

ALZHEIMER'S DISEASE (AD) ?

Alzheimer's is a neurodegenerative disease so in the end you can see a lot of neuron loss
Alzheimer's is an uncommon form of dementia that strikes people younger than **age 65**.

Memory loss. ...
 Difficulty planning and solving problems. ...
 Difficulty determining time or place.
 Difficulty finding the right words. ...
 Difficulty making decisions.

Brain Atrophy in Advanced Alzheimer's Disease

Normal AD

SSIP Review Meeting

Manan Nana... Harshil Rajo... DIVYANSHI J...
 Chiranjit Rath... Vishakha Pra... Manisha Rad...
 Kavil Purohit (outside Government Engineering College, Gandhinagar) joined

Raise hand Turn on captions Arpit Shrimankar is presenting

BM_SSIP_evaluation.xlsx Meet - SSIP Review Meeting D:\DWORK\Files Made in P...

meet.google.com/rky-ocv-pfo 12:06 PM

Kavil Purohit is presenting

Akash Patel and 14 more

Portable Electrocautery Machine

By: Kavil Purohit (190130731003)
 Guide: Prof. Piyush Patel

Dhruvin Trivedi has left the meeting

SSIP Review Meeting

Arpit Shrima... Manan Nana... Harshil Rajo...
 DIVYANSHI J... Chiranjit Rat... Vishakha Pra...
 Manisha Rad... Chintan Shah VISHWA CH...

Raise hand Turn on captions Kavil Purohit is presenting

BM_SSIP_evaluation.xlsx Meet - SSIP Review Meeting D:\DWORK\Files Made in P...

meet.google.com/rky-ocv-pfo 12:11 PM

Akash Patel is presenting

Manisha Radadi... and 16 more

MULTI-PARAMETER ANALYSIS KIT

Presenter:

- 1) Akash Patel
- 2) Divyanshi Jethva
- 3) Raagi Panchal

Under the Guidance of:

- Prof. Piyush Patel

SSIP Review Meeting

Dhruvin Trivedi has left the meeting

Raise hand Turn on captions Akash Patel is presenting

