

REPORT

1. Title of the Programme: **Two days national level workshop on Molecular Biology Techniques.**
2. Category: **Workshop**
3. Date/s and Duration: **27-28 February, 2023, 2 Days (Annexure I)**
4. Venue: **Research centre, Anand Pharmacy college**
5. Dignitary/ies present at inaugural function: **(Annexure II)**
6. Invited speaker(s)/ Expert(s): **(Annexure III)**
7. Total no. of participants :- **60 participants (Annexure IV)**
8. Programme summary (200 words) :- **(Annexure V)**
9. Photographs :- **(ANNEXURE VI)**
 - (i) Photograph of the dias with banner
 - (ii) Inaugural function
 - (iii) Expert(s) delivering lecture(s)
 - (iv) Programme in session with Audience
10. Press Release / Media Report, if any: **(ANNEXURE VII)**
11. e-Presentations/ Videography: **(ANNEXURE VII)**



GSBTM & DST and SSIP SPONSORED
Two days national level workshop on
“MOLECULAR BIOLOGY TECHNIQUES”
Organized by Anand Pharmacy College, Anand
(27-28 February, 2023)

PROGRAMME SCHEDULE

Day 1 :- February 27, 2023	
Time	Details
09:00 to 9:30 am	Registration and Refreshment
9:30 to 11:00 am	Dr. Vaibhav Bhatt Chief Executive Officer, Atal Incubation Centre, Gujarat Technological University, Ahmedabad Title: - Introduction to Molecular Biology and its application.
11:00 to 11:30 am	Inaugural function
11:30 to 1:00 am	Dr. C.J. Joshi Director, Gujarat Biotechnology Research Centre, Department Of Science & Technology, Government of Gujarat, Gandhinagar Title: Insights of bioinformatics.
1:00 to 2:0 pm	Lunch
2:00 to 3:45 pm (Batch A1 to Batch A5)	Ms. Navdha Vyas & Ms. Anjali Patel Assistant Professor, Pharmacology department, Anand Pharmacy college. Hands on training on pipetting techniques, DNA and RNA Extraction.
2:00 to 3:45 pm (Batch B1 to Batch B5)	Ms. Hital Shah Associate Professor, Pharmacology department, SAL Institute of Pharmacy. Hands on training on NCBI blast and primer design; Sequence submission.
3:45 to 4:45 pm (Batch A1 to Batch A5)	Ms. Hital Shah Associate Professor, Pharmacology department , SAL Institute of Pharmacy. Hands on training on NCBI blast and primer design; Sequence submission.
3:45 to 4:45 pm (Batch B1 to Batch B5)	Ms. Navdha Vyas & Ms. Anjali Patel Assistant Professor, Pharmacology department, Anand Pharmacy college. Hands on training on pipetting techniques, DNA and RNA Extraction.
4:45 to 5:00 pm	High tea



Day 2 :- February 28, 2023

10:00 to 11:30 am (All batches)	Ms. Hital shah Associate Professor, Pharmacology department, SAL Institute of Pharmacy. Ms. Anjali Patel Assistant Professor, Pharmacology department, Anand Pharmacy college. Hands on training: Quantification and purification of DNA and RNA (Use of various instruments).
11:30 to 12:15 pm	Mr. Piyush Chudasama Research Scientist, Akanksha Hospital & Research Institute, Lambhvel. Title: PCR techniques and its application with a emphasis on pharma field.
12:15 to 12:45 pm	Lunch
12:45 to 2:15 pm (Batch A1 to Batch A5)	Ms. Hital Shah Associate Professor, Pharmacology department, SAL Institute of Pharmacy. Mr. Chetan Sojitra Assistant Professor, Pharmacology department, Anand Pharmacy college. Hands on training on cDNA synthesis.
12:45 to 2:15 pm (Batch B1 to Batch B5)	Ms. Anjali Patel and Ms. Navdha Vyas, Assistant Professor, Pharmacology department, Anand Pharmacy college. Hands on training on gene expression.
2:15 to 2:30 pm	Break
2:30 to 4:00 pm (Batch A1 to Batch A5)	Ms. Anjali Patel Assistant Professor, Pharmacology department, Anand Pharmacy college. Hands on training on gene expression.
2:30 to 4:00 pm (Batch B1 to Batch B5)	Navdha Vyas Assistant Professor , Pharmacology department , Anand Pharmacy college. Hands on training on cDNA synthesis.
4:00 to 4:30 pm	Valedictory Function.
4:30 to 5:00 pm	Certificate distribution and High tea



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DIGNITARIS PRESENT AT INAUGURAL FUNCTION

1. Dr. C.J. Joshi (Chief Guest)

Director, Gujarat Biotechnology Research Centre,
Department Of Science & Technology,
Government of Gujarat,
Gujarat

2. Smt. Jyotsnaben K. Patel

Honorary Secretary
Shri Ramkrishna Seva Mandal,
Anand

3. Dr. Tejal Gandhi

Professor & Principal
Anand Pharmacy College,
Anand.



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INVITED SPEAKER / EXPERT

Sr. No.	Name Of Resource Person	Topic
1	Dr. Vaibhav Bhatt Chief Executive Officer, Atal Incubation Centre, Gujarat Technological University, Ahmedabad	Introduction to Molecular Biology and its application. (Expert Talk I)
2	Dr. C.J. Joshi Director, Gujarat Biotechnology Research Centre, Department Of Science & Technology, Government of Gujarat, Gandhinagar	Insights of bioinformatics. (Expert Talk II)
3	Mr. Piyush Chudasama Research Scientist, Akanksha Hospital & Research Institute, Lambhvel.	PCR techniques and its application with a emphasis on pharma field. (Expert Talk III)
4	Ms. Hital shah Associate Professor, Pharmacology department, SAL Institute of Pharmacy.	Hands on training on NCBI blast, primer design, Sequence submission, Quantification and purification of DNA and RNA (Use of various instruments) and on cDNA synthesis.
5	Ms. Anjali Patel Assistant Professor, Pharmacology department, Anand Pharmacy college, Anand.	Hands on on pipetting techniques, DNA and RNA Extraction, and on gene expression.
6	Ms. Navdha Vyas Assistant Professor , Pharmacology department , Anand Pharmacy college, Anand.	Hands on training on pipetting techniques, DNA and RNA Extraction, gene expression and on cDNA synthesis.
7	Mr. Chetan Sojitra Assistant Professor, Pharmacology department, Anand Pharmacy college, Anand	Hands on training on cDNA synthesis



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List of of participants

Sr. No.	Name of Participant	Designation	Institute Name
1	Timbadiya Bansiben Maganbhai	Student	Anand pharmacy college
2	Vekariya Hirenkumar Jaysukhbhai	Student	Anand pharmacy college
3	Mansi Dineshbhai Dadhanai	Student	Arihant School of Pharmacy & Bio-Research Institute
4	Vyas Shailja Jitendrabhai	Student	Arihant School of Pharmacy & Bio-Research Institute
5	Paneri Krishna Nileshbhai	Student	Anand pharmacy college
6	Dr. Jayesh V Beladiya	Faculty	L. M. College of Pharmacy
7	Ankita	Student	Pioneer Pharmacy College
8	Bariya Nileshkumar Saburbhai	Student	Aspee Shakilam Biotechnology Institute Surat
9	Ms. Sainika Kanzaria	Student	SIPS
10	Vyas Ameer Sanjaybhai	Student	A.R.college of Pharmacy and G.H Patel Institute of pharmacy
11	Waghu Sanjana Tukarambhai	Student	Faculty of pharmacy, M.S. University
12	Gyanchandani Vishal Kishor	Student	Faculty of pharmacy, M.S. University
13	Dr. Prachi Dinesh Karia	Faculty	Faculty of Pharmacy, M.S. University
14	Mr. Yash B. Rana	Student	Faculty of Pharmacy, M.S. University
15	Chaudhari Krupanshi Jitendrabhai	Student	Faculty of Pharmacy, M.S. University
16	Banshri Gajjar	Student	Faculty of Pharmacy, M.S. University
17	Umesh Ashokbhai Dharani	Student	A.R. college of Pharmacy and G.H Patel Institute of pharmacy
18	Preya Shah	Student	Sal Institute Of Pharmacy
19	Sinha Neeta Dhananjay	Student	Faculty of Pharmacy, M. S. University, Baroda
20	Krushil Kyada	Student	Anand pharmacy collage
21	Chavada Nikita.H.	Student	Anand pharmacy college, Anand
22	Harsh Prajapati	Student	Anand pharmacy college
23	Vadher Vaishali Arunbhai	Student	Anand pharmacy collage
24	Italiya Manali Rajeshkumar	Student	Anand Pharmacy College
25	Parth Parmar	Student	Anand pharmacy college
26	Pipaliya Chirag Dhirubhai	Student	Anand pharmacy college
27	Rathod Devrsh Mukeshbhai	Student	Anand pharmacy college
28	Madhavani Kishan Rakeshkumar	Student	Anand pharmacy college

29	Makwana Payal Sanjaybhai	Student	Anand Pharmacy college
30	Tankaria Jahanvi Prafulkumar	Student	Anand Pharmacy College
31	Ayushi Chokshi	Student	Sal institute of pharmacy
32	Patel Gopi Divyeshbhai	Student	Sal Institute of pharmacy
33	Dhvani Patel	Student	Sal institute of pharmacy
34	Mitali Rajeshbhai Maheshvari	Student	A. R. College of pharmacy & G. H. Patel institute of pharmacy
35	Parsa Amey Dangarwala	Student	Sal institute of pharmacy
36	Dr. Yati Vaidya	Faculty	Shri Alpesh N. Patel Post graduate institute of science and research
37	Malhar Pragnesh Gor	Student	Anand Pharmacy College
38	Modi Krupaben Sjaileshkumar	Student	Anand Pharmacy College, Anand
39	Soni Jayati Rakeshbhai	Student	Anand pharmacy college
40	Bhakti Dave	Student	Anand pharmacy college
41	Harshit Desai	Student	Anand Pharmacy College
42	Roshni Shah	Student	Anand Pharmacy College
43	Patel Dhruv Dharmeshkumar	Student	J and J college of Science, Nadiad
44	Keshvi Mistry	Student	J and J college of science
45	Vikas Dilipbhai Shah	Student	The Maharaja Sayajirao University of Baroda
46	Aishwarya Nayan Parmar	Student	The Maharaja Sayajirao University of Baroda
47	Shah Manthal Jayneshbhai	Student	The Maharaja Sayajirao University of Baroda
48	Paridhi Rajeshkumar Vadher	Student	Faculty of pharmacy, M.S. University
49	Dipiksha Maheshbhai Solanki	Student	The Maharaja Sayajirao University of Baroda
50	Aabid Meman	Student	The Maharaja Sayajirao University of Baroda
51	Vora Vatsal Pareshbhai	Student	Anand Pharmacy College, Anand
52	Asmita R. Chavda	Student	The Maharaja Sayajirao University of Baroda
53	Vivek Rakeshbhai Soni	Student	The Maharaja Sayajirao University, Baroda
54	Aastha Anil Patel	Student	Sal Institute of pharmacy
55	Rajvi Patel	Student	Sal institute of pharmacy
56	Pethani Jay Subhashbhai	Student	Anand pharmacy college
57	Patel Hetu Jayeshkumar	Student	Anand Pharmacy College
58	Maheswari Ashvini Narendrabhai	Student	Anand pharmacy college
59	Surbhi Himanshu Modi	Student	Anand pharmacy college
60	Ashishkumar Prakashkumar Singal	Student	Anand pharmacy college



PROGRAM SUMMARY (200 WORDS)

GSBTM & DST SPONSORED and SSIP supported Two days national level workshop on “MOLECULAR BIOLOGY TECHNIQUES” Organized by Anand Pharmacy College, Anand (27-28th February, 2023)

This GSBTM, DST and SSIP supported Two days national level workshop on “MOLECULAR BIOLOGY TECHNIQUES” was organized on 27-28th February, 2023 at Anand Pharmacy College, Anand. This workshop enabled each of the participants to discuss, share and clarify various concepts of Molecular Biology Techniques like Basics of Molecular Biology and its application, Molecular Biology techniques like Polymerase chain reaction (PCR) and microarray, pipetting techniques, DNA and RNA Extraction, NCBI blast, primer design, Sequence submission, Quantification and purification of DNA and RNA (Use of various instruments), cDNA synthesis and on gene expression.

Total 60 participants (ANNEXURE IV) were benefited by this workshop. The programme schedule was spread for two days over the period of 8 hours starting from 9.00 a.m. in the morning to 5:00 p.m. in the evening (ANNEXURE I). The inaugural function was graced by the presence of **Dr. C.J. Joshi**, Director, Gujarat Biotechnology Research Centre, Department of Science & Technology, Government of Gujarat, Gujarat as a Chief Guest; **Dr. Tejal Gandhi**, convener, Principal and Professor of Anand Pharmacy College, Anand and **Smt. Jyotsnaben Patel**, Honorary secretary, SRKSM. Jyotsnaben Patel congratulated Dr. Tejal Gandhi for the successful completion of the programme. The entire event was coordinated by **Dr. Tejal Gandhi** Principal and Professor of Anand Pharmacy College, Anand and Co-coordinated by **Ms. Preksha Patel**, Associate Professor, Anand Pharmacy College, Anand. Eminent speakers from the academics and hospital were invited to take sessions in the workshop having in-depth knowledge about various areas of Molecular Biology Techniques like **Dr. C.J. Joshi**, Director, Gujarat Biotechnology Research Centre, Department of Science & Technology, Government of Gujarat, Gujarat, **Dr. Vaibhav Bhatt**, Director, School of Applied Sciences and Technology, Gujarat Technological University, Ahmedabad, **Mr. Piyush Chudasama**, Research Scientist, Akanksha Hospital & Research Institute, Lambhvel. Additionally, **Ms. Hital Shah**, (Associate Professor, Pharmacology department, SAL Institute of Pharmacy, Ahmedabad.) **Ms. Anjali Patel**, **Mr. Chetan Sojitra** and **Ms. Navdha Vyas** (Assistant Professor, Pharmacology department, Anand Pharmacy College, Anand.) gave hands-on training on pipetting techniques, DNA and RNA Extraction, NCBI blast, primer design, Sequence submission, Quantification and purification of DNA and RNA (Use of various instruments), cDNA synthesis and on gene expression. (ANNEXURE VI)



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Feedback Form

Name of Participant: _ _____
 Designation: _____
 Name and address of Institute: _____

M: _____ E-mail: _____

Information regarding seminar

1. How did you hear about the workshop?
 - a. Head of institute
 - b. Website
 - c. Friends
 - d. Other (specify)
2. Indicate your purpose for attending this workshop
 - a. Knowledge on Biological Techniques
 - b. Isolation & estimation of DNA
 - c. R & D
 - d. Professional development
3. How useful this workshop is in your field of work?
 - a. Extremely valuable
 - b. Quite valuable
 - c. Some value
 - d. Little value
 - e. No value
4. **Please, tick one box for each question according to your perceptions and experience.**

5 - Excellent 4 - Good 3 - Satisfactory 2 - Fair 1 - Not Satisfactory

CRITERION	5	4	3	2	1
4.1 Relevance of the workshop topics to the title					
4.2 Planning and presentation of lecture by resource person					
4.3 How adequately your doubts were answered by experts?					
4.4 Arousal of interest and motivation to work on MOLECULAT STUDY					
4.5 Hospitality					
4.6 Food					

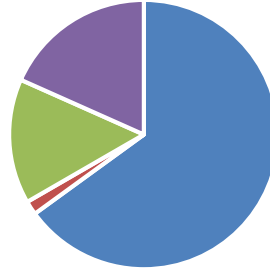
5. Overall rating of workshop
 - a. Excellent
 - b. Very good
 - c. Good
 - d. Fair
 - e. Poor
6. Were you able to gain the information you were looking for in the workshop ? Yes/ No
7. Do you have any other comments, questions, or concerns?

Signature of Participant:

Thank you for participating, we appreciate your feedback.

1.

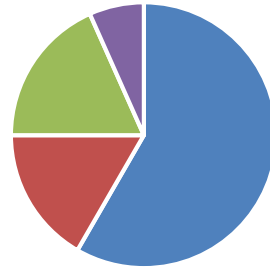
How did you hear about this workshop?



■ Head of institute ■ Friends ■ Website ■ Other

2.

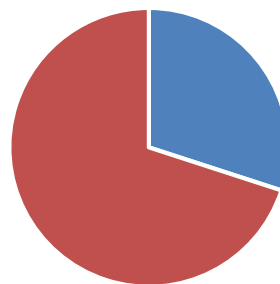
Indicate your purpose of attending workshop



■ Knowledge on biological techniques ■ Isolation and estimation of DNA
■ Professional development ■ R & D

3

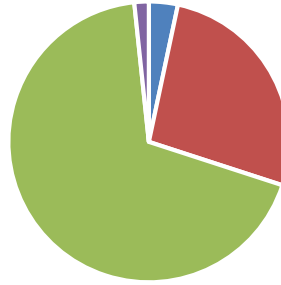
How useful this workshop



■ Quite valuable ■ Extremely valuable

4.

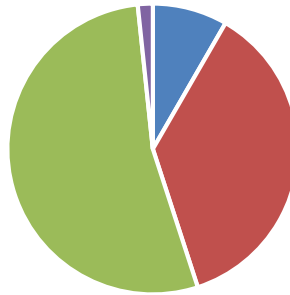
Relevance of workshop topics to the title



■ Satisfactory ■ Good ■ Excellent ■ Not Satisfactory

5.

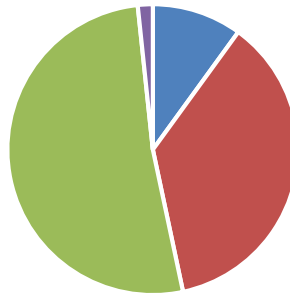
Planning and presentation of lecture



■ Satisfactory ■ Good ■ Excellent ■ Not Satisfactory

6.

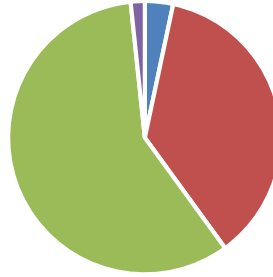
How adequately your doubts were answered



■ Satisfactory ■ Good ■ Excellent ■ Not Satisfactory

7.

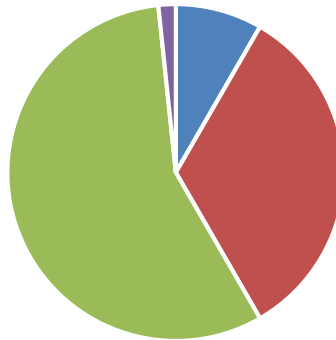
Motivation to work in Molecular biology technique



■ Satisfactory ■ Good ■ Excellent ■ Not Satisfactory

8.

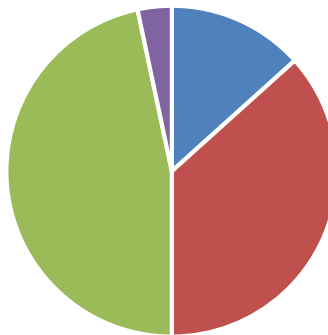
Hospitality



■ Satisfactory ■ Good ■ Excellent ■ Not Satisfactory

9.

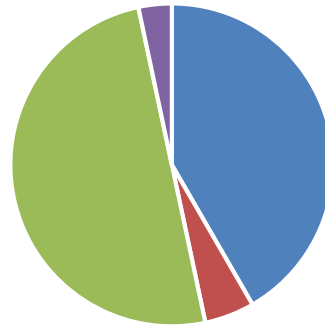
Food



■ Satisfactory ■ Good ■ Excellent ■ Fair

10.

Overall rating of workshop



■ Very good ■ Good ■ Excellent ■ Fair

11. Are you able to gain knowledge?

Yes (58 response)

12. Other comments ?

No. (50 response)

Followings are the comments given by participants.

Lectures were very useful

The workshop was excellent with hands-on training

Workshop is managed better.

Please can the slides/presentation by speaker provided after conference.



ANNEXURE V1

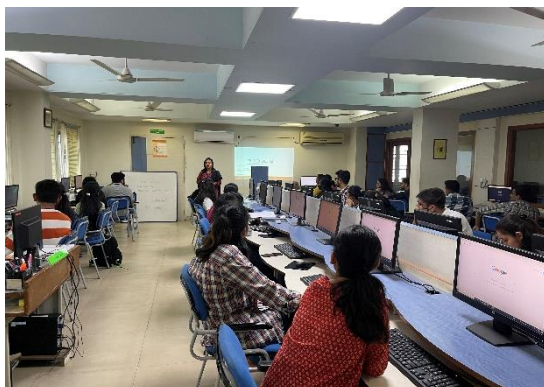
PHOTOGRAPHS



Photograph of the dias with banner and Inaugural function



Experts delivering lectures



Programme in session with Audience

ANNEXURE VII

PRESS RELEASE / MEDIA REPORT

આણંદ ધર્મસી કોલેજમાં GSBTM, DST અને SSIP પ્રયોજિત રાષ્ટ્રીય કક્ષાના વર્કશોપનું આયોજન



આણંદ, તા.૦૫
શ્રી રામકૃષ્ણ સેવામંડળ
સંચાલિત આણંદ ધર્મસી
કોલેજ, આણંદ દ્વારા ૨૭
અને ૨૮ ફેબ્રુઆરી, ૨૦૨૩
ના રોજ GSBTM, DST
અને SSIP દ્વારા પ્રયોજિત
મોલેક્યુલર બાયોલોજી ટેકનીક
પર બે દિવસીય રાષ્ટ્રીય કક્ષાનો
વર્કશોપ યોજાયો, જેમાં સમગ્ર
ભારતમાંથી ૬૦ જેટલા
પ્રતિનિધિઓએ ભાગ લીધો
હતો.

આ રાષ્ટ્રીય સ્તરના
પ્રોગ્રામમાં મુખ્ય અતિથિ તરીકે
ડો. સી.જે.જોશી, (ડાઈરેક્ટર,
ગુજરાત બાયોટેકનોલોજી રીસર્ચ
સેન્ટર, ડીએસીટી, ગવર્નમેન્ટ
ઓફ ગુજરાત) કોલેજના
આચાર્ય ડો. તેજલ ગાંધી અને
મંડળના માનદ મંત્રી
જ્યોત્સનાબેન ઉપસ્થિત રહ્યા
હતા.

વર્કશોપમાં વિવિધ રીસર્ચ
સેન્ટર, હોસ્પિટલ અને કોલેજો
ના પ્રખ્યાત વક્તાઓ લેકચર
અને હેન્ડસ ઓન ટ્રેનિંગ આપ્યા
હતા જેમકે, ડો. સી.જે.જોશી

, (ડાઈરેક્ટર, ગુજરાત
બાયોટેકનોલોજી રીસર્ચ સેન્ટર,
ડીએસીટી, ગવર્નમેન્ટ ઓફ
ગુજરાત), ડો.વૈભવ ભટ્ટ
(ડાઈરેક્ટર, સ્કૂલ ઓફ
અપલાઈડ સાયન્સીસ અને
ટેકનોલોજી, જી.ટી.યુ
અમદાવાદ) અને પિયુષ
ચુડાસમા (રિસર્ચ સાયન્ટિસ્ટ,
આકાંક્ષા હોસ્પિટલ અને રિસર્ચ
ઇન્સ્ટિટ્યૂટ, લાંભવેલ). તેઓએ
મોલેક્યુલર બાયોલોજી ટેકનીક
ના વિવિધ ક્ષેત્રો જેમકે,
પોલિમરેસ ચેઇન રીએક્શન
(PCR), માક્રોએરે અને જેલ
ઇલેક્ટ્રોફોરેસીસ જેવા વિષયો
ની વિસ્તૃત માહિતી આપી
હતી.

આ રાષ્ટ્રીય સ્તરના
વર્કશોપનું સંકલન ડો.
તેજલ.આર.ગાંધી તેમજ સહ-
સંકલ મીસ પ્રેક્ષીતા પટેલ દ્વારા
કરવામાં આવ્યું હતું. પ્રોગ્રામની
સફળતા બદલ શ્રી રામકૃષ્ણ
સેવામંડળ ના માનદ મંત્રી
જ્યોત્સનાબેન પટેલ એ ડો.
તેજલ.આર.ગાંધી ને અભિનંદન
આપ્યા હતા.

Naya Padkar

06-03-2023



ANNEXURE VIII

e-Presentations/ Videography

https://drive.google.com/file/d/1PiDp1wtuKSXcdFxZ0Qgs5iiuKMe2De_r/view?usp=share_link