

**D.Y. Patil Medical College, Kolhapur**  
**Department of Community Medicine**

**Research Workshop for UG Students**

It has been observed that the medical students initiated to research activity during their undergraduate days will turn out to be better researchers in their future career.

Department of Community Medicine have adopted innovative Skill based learning as project based learning with purpose of acquainting the U.G. students with the basic research methodology. To encourage students participation in Community oriented health problems, inculcate team work among the students with appropriate intervention for Community problems, we have started **Structured UG Short Term Research Projects** as innovative initiative of our department as follows:

**Phase I:** Orientation to Short term research project & Research methodology

**Phase II:** Assessment through MCQ'S

**Phase III:** Project Commencement - Identification of Guide & Protocol  
Submission

**Phase IV:** Project Execution under Faculty supervision

**Phase V:** Intervention & Recommendations

**Phase VI:** Assessment of project by faculties

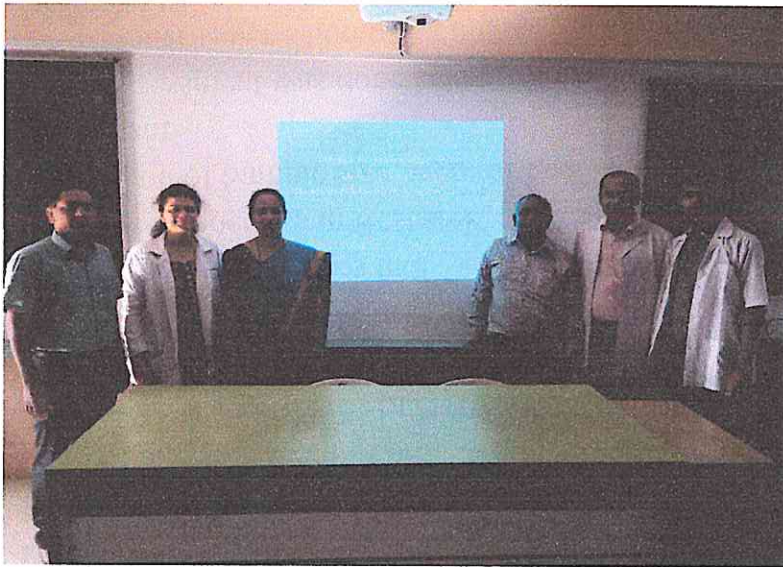
**Phase VII:** Execution of Intervention in selected projects

Every year in VI<sup>th</sup> term students we carry out this activity. In first phase, Research methodology workshop for VI<sup>th</sup> term students was conducted. In this module, important topics like -- An overview of project conduction & guidelines, Bioethics in Research, Selection of topic & methodology, Calculation of Sample size were discussed by faculty members from the department.

Assessment was done by MCQ test.

Under supervision of faculty, team of 5-6 students conduct one research project. After submission of a project, each student is awarded with Basic Introductory Training to Medical Research (BITMER) certificate by our department. Along with UG students getting acquainted to research methodology, some of them have published articles & successfully presented in conferences

Inculcation, consolidation & Certification of project based learning in one of the Best practice of Department of Community Medicine







# **UNDERGRADUATE SHORT TERM RESEARCH PROJECT**

## **Background-**

Community Medicine was introduced in Medical Curriculum so as to bridge gap between ailing masses and medical fraternity & facilities and also with purpose to spread awareness about with latest emerging trends within the society. Hence with the similar purpose & to encourage student's participation in the community health issues Short Term Research Project is being introduced for the VI Term students.

## **Aim:**

Acquainting the undergraduate students with basics of Research Methodology & providing community exposure to the M.B.B.S. Student

## **Objectives:**

1. Introduction of students to Research methodology.
2. Exposure to community orientated health problems.
3. Thrust towards community participation through small study projects.
4. Logical and appropriate thinking towards community issues.
5. Inculcate teamwork among student groups.
6. Appropriate Interventions for community health problems.
7. Create opportunity for future research funding, publications and presentation in conferences.

## **Phases of Project Conduction:**

**PHASE I:** Orientation to short term research project & research methodology

**PHASE II:** Assessment through MCQs.

**PHASE III:** Project Commencement

1. Identification of a guide – A Senior Faculty.
2. Select a topic or research question- Decide on a research question which you will try to answer through your research project.
3. Review of literature –a) Online sources b) Offline sources

4. Select suitable study design and instrument to measure- Researchers should have a fair idea of various types of study design.
5. Prepare research protocol.

#### **PHASE IV: Project Execution**

1. Data collection & analysis –The researchers go into the study community and measure the variables.
2. Presentation of collected data in the form of tables and summary values and statements.
3. Apply tests of significance to asses if the observed differences are significant or not, and also to see if any association is present or not.
4. Discuss the important findings and new aspects that emerge out of the study.
5. Compare the results of your study with those of similar published studies for comprehensive interpretation.
6. Deduce conclusions.

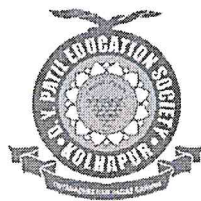
#### **PHASE V: Intervention/Recommendation**

#### **PHASE VI: Assessment of projects by faculties**

#### **PHASE VII: Execution of Intervention in Selected Project.**

#### **Outcomes:**

- As an assessment for VI term internal formative assessment.
- Deserving project for publication.
- Innovative projects will be selected for funding proposals.
- Presentation in coferences.
- BTIMER Certification after successful completion.



**D.Y. Patil Medical College, Kolhapur**  
**Department of Community Medicine**

**VI<sup>th</sup> term Students**

**Research Workshop for UG students**

**Day & Date:** Thursday, 12/03/2020

**Time:** 02:30 pm to 04:30 pm

**Venue:** 301 Lecture hall, Dept. of Community Medicine

**Research Methodology Module**

Sr. No.	Time	Topic	Faculty
01	02:30 pm to 02:45 pm	Introduction UG Short term Research Project & BITMER	Dr. Mrs. A.V. Wagh
02	02:45 pm to 03:00 pm	Guidelines for project conduction	Dr. J.U. Yadav
03	03:00 pm to 03:15 pm	Bioethics in Research	Dr. Mrs. P.A. Potdar
04	03:15 pm to 03:30 pm	Selection of topic & Methodology	Dr. S.S. Patil
05	03:30 pm to 03:45 pm	Calculation of sample size	Mrs. M.M. Desai
06	03:45 pm to 04:00 pm	MCQ Test	Dr. T.A. More
07	04:00 pm to 04:15 pm	Interaction	
08	04:15 pm to 04:30 pm	Formation of groups for project	Dr. P. D. Kolekar

Attendance is compulsory for all students

(Dr. Mrs. A.V. Wagh)

Prof. & HOD

Dept. of Community Medicine

Copy to-

Dean office

Assoc. Dean

**PROF. & HEAD**  
Dept. of Community Medicine  
D. Y. Patil Medical College, Kolhapur.



## **STS project based learning**

### **Student Feedback:**

(Circle your response to each item.)

1=Strongly disagree 2=Disagree 3=Neither agree nor disagree 4=Agree 5=Strongly agree

Sr No	Item	Response				
1	The orientation training for projects was better planned	1	2	3	4	5
2	The topics needed for project covered by faculties in orientation	1	2	3	4	5
3	The project objectives were clear to me	1	2	3	4	5
4	The project activities stimulated my learning	1	2	3	4	5
5	The student group formation should be voluntary	1	2	3	4	5
6	The guide helped me in the project completion	1	2	3	4	5
7	The project work helped to learn the topics integratively	1	2	3	4	5
8	The project work will help me in future learning	1	2	3	4	5
9	I can apply and link subject knowledge in project work	1	2	3	4	5
10	This will motivate me to take such projects in future	1	2	3	4	5
11	I am satisfied with this type of project based learning in subject	1	2	3	4	5
12	The project based leaning should be continued for next batches	1	2	3	4	5

### **Teacher Feedback:**

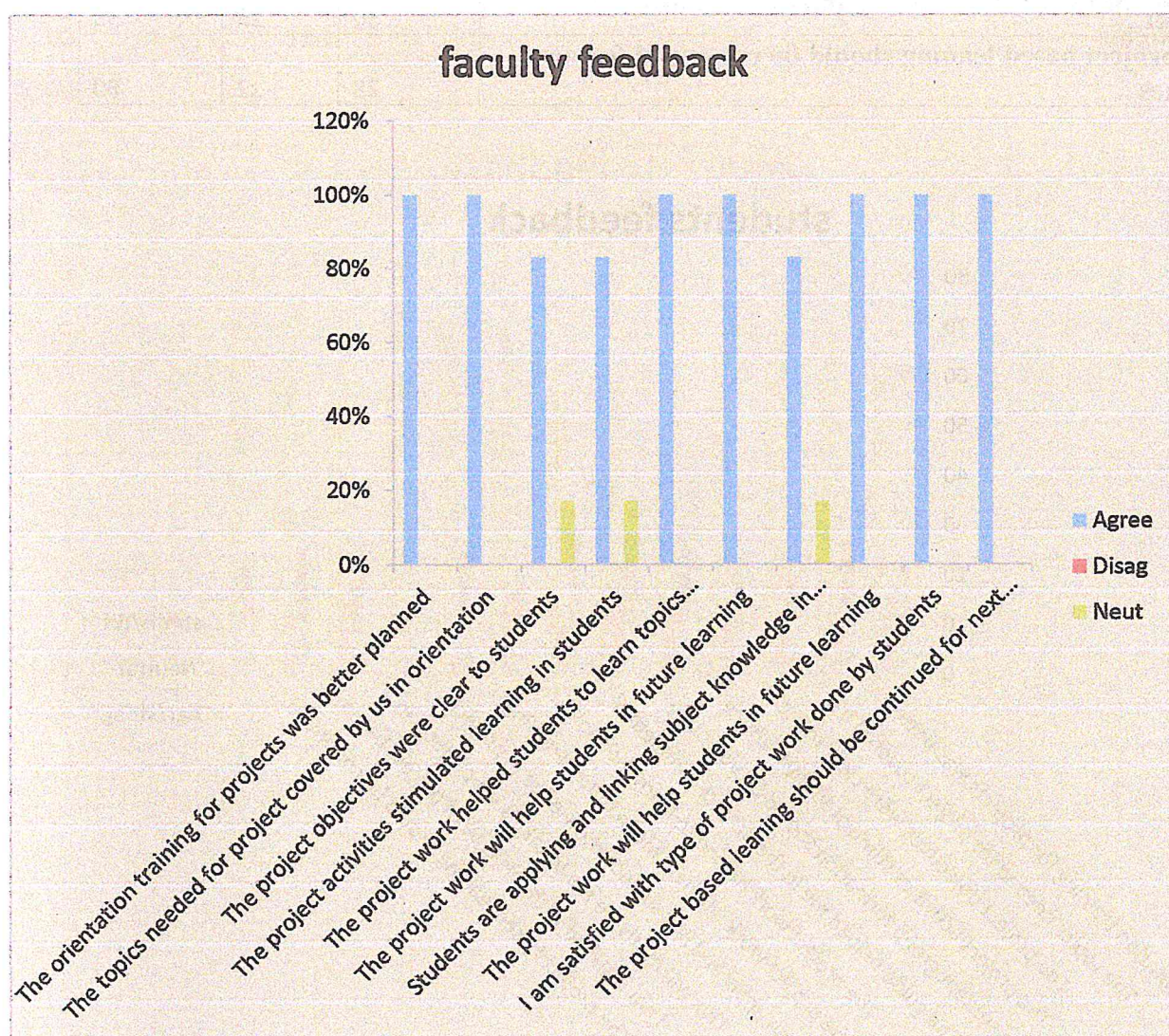
(Circle your response to each item.)

1=Strongly disagree 2=Disagree 3=Neither agree nor disagree 4=Agree 5=Strongly agree

Sr No	Item	Response				
1	The orientation training for projects was better planned	1	2	3	4	5
2	The topics needed for project covered by us in orientation	1	2	3	4	5
3	The project objectives were clear to students	1	2	3	4	5
4	The project activities stimulated learning in students	1	2	3	4	5
5	The project work helped students to learn the topics integratively	1	2	3	4	5
6	The project work will help students in future learning	1	2	3	4	5
7	Students are applying& linking subject knowledge in project	1	2	3	4	5
8	This will motivate students to take such projects in future	1	2	3	4	5
9	I am satisfied with type of project work done by students	1	2	3	4	5
10	The project based leaning should be continued for next batches	1	2	3	4	5

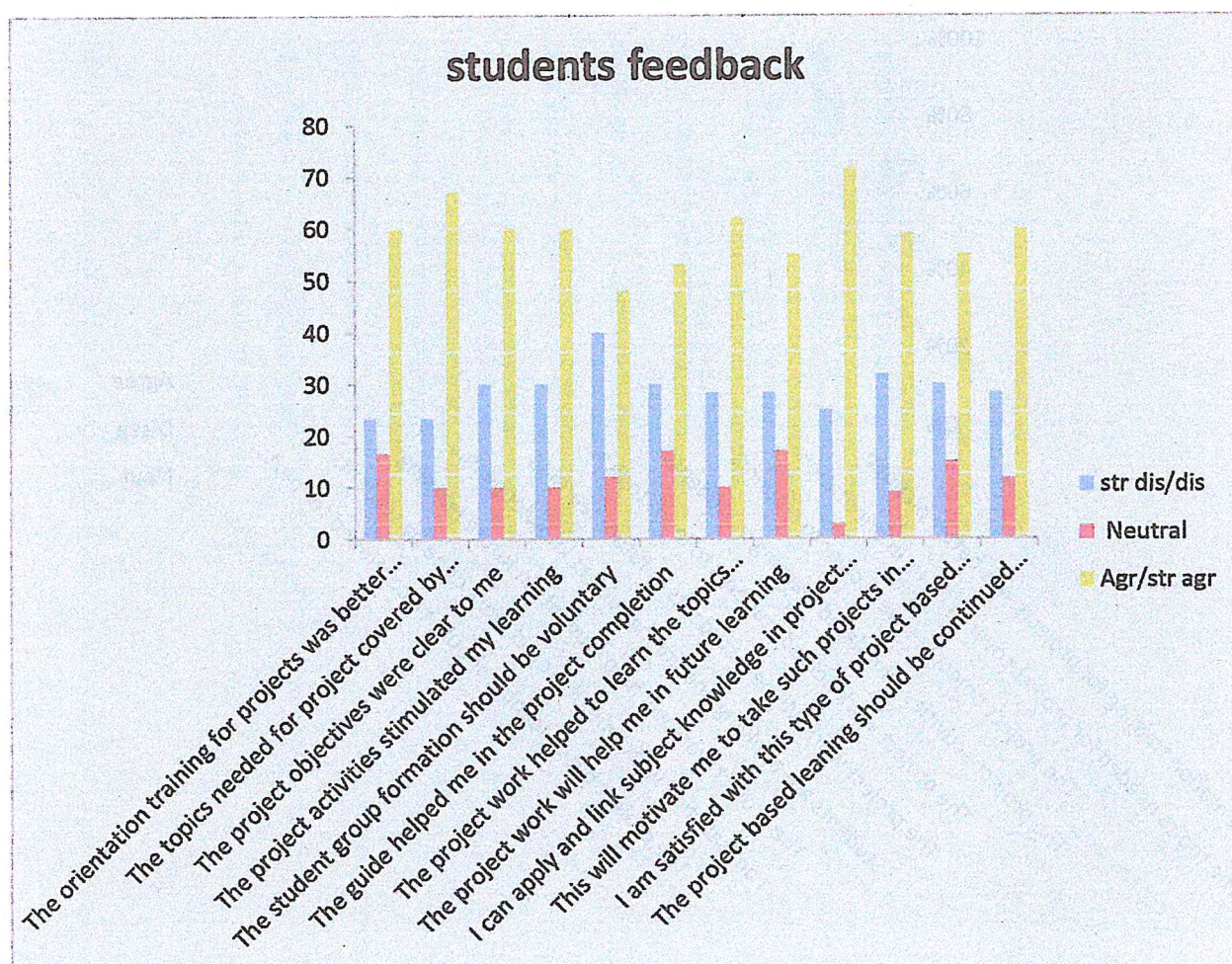


Item	Item/Feedback question	Agree	Disag	Neut
1	The orientation training for projects was better planned	100%	0	0
2	The topics needed for project covered by us in orientation	100%	0	0
3	The project objectives were clear to students	83%	0	17%
4	The project activities stimulated learning in students	83%	0	17%
5	The project work helped students to learn topics integratively	100%	0	0
6	The project work will help students in future learning	100%	0	0
7	Students are applying and linking subject knowledge in project	83%	0	17%
8	The project work will help students in future learning	100%	0	0
9	I am satisfied with type of project work done by students	100%	0	0
10	The project based learning should be continued for next batches	100%	0	0





Item/Feedback question	str dis/dis	Neutral	Agr/str agr
The orientation training for projects was better planned	23	17	60
The topics needed for project covered by faculties in orientation	23	10	67
The project objectives were clear to me	30	10	60
The project activities stimulated my learning	30	10	60
The student group formation should be voluntary	40	12	48
The guide helped me in the project completion	30	17	53
The project work helped to learn the topics integratively	28	10	62
The project work will help me in future learning	28	17	55
I can apply and link subject knowledge in project work	25	3	72
This will motivate me to take such projects in future	32	9	59
I am satisfied with this type of project based learning in subject	30	15	55
The project based leaning should be continued for next batches	28	12	60





**Department of Community Medicine**  
**UG Short Term Research Project Groups & Project Guide Allotment 2022**


Group No.	Roll. No.	Students Names	Project Name	Project Guide
1	19050	Kajal Bipin Mahajan	Historical aspects of Health and Community Medicine	Dr. Mrs. A.V. Wagh
	19066	Kumbhar Srushti Sunil		
	19135	Tanya Ashish Saxena		
2	19110	Raut Sonali Sadashiv	Concept of Health	Dr. J.U. Yadav
	19039	Farheen G Dafedar		
	19137	Tathagata Giri		
3	19060	Khairnar Pranit Kailas	Concept of disease	Dr. S.S. Patil
	19057	Kasture Ajinkya Sanjay		
	19059	Kedar Ajinkya Arvind		
4	19139	Thorat Vaibhav Uday	Concept of Prevention	Dr. Mrs. A.V. Wagh
	19128	Smruti Rao		
	19034	Deshmukh Gauri Sudhakar		
5	19123	Shivam Shekhar	Screening For Diseases	Dr. J.U. Yadav
	19122	Shinde Siddhant Deepak		
	19114	Sancheti Neha Ashishkumar		
6	19010	Akshata H Vachhani	Principles Of Epidemiology & Epidemiologic Methods	Dr. S.S. Patil
	19035	Deshpande Kalyani Ganesh		
	19032	Desai Tanvi Sanjay		
7	19107	Rananavare Pruthviraj Shirish	Classify epidemiological studies and explain descriptive epidemiology	Dr. Mrs. A.V. Wagh
	19006	Abhishek D Bamane		
	19074	Mihir Kulkarni		
8	19149	Yasmin H Ansari	Classify epidemiological studies and explain Case control study	Dr. J.U. Yadav
	19145	Vikas Kumar Jaiswal		
	19146	Vishal G Sen		
9	19090	Pallavi Mohan Ravu	Classify epidemiological studies and explain Cohort study	Dr. S.S. Patil
	19112	Roshni A Reji		
10	19147	Vishal Patel	Classify epidemiological studies and explain RCTs	Dr. Mrs. A.V. Wagh
	19148	Vishnu S		
	19138	Thakare Bhagyesh Balasaheb		
11	19069	Malla Santhan Venkat Durga	Epidemiological Investigations of an epidemic	Dr. J.U. Yadav
	19042	Hardik Sagar		
	19067	Lawate Suhas Dattu		
12	19127	Shubham Singh	Modes of transmission of diseases	Dr. S.S. Patil
	19073	Medha Chirom		
	19113	Sagar Goyal		
13	19098	Prachi Nanda	Cold chain	Dr. Mrs. A.V. Wagh
	19088	Nupur		
	19143	Vaibhav Kumar		
14	19031	Dalwai Simeen Hidayat	AEFI	Dr. J.U. Yadav
	19015	Ankita Kumari		
	19111	Reshma Tanaji Mandekar		

Group No.	Roll. No.	Students Names	Project Name	Project Guide
15	19099	Pradipti Kothiyal	National Vector Borne Diseases Control Programme (NVBDCP)	Dr. S.S. Patil
	19012	Alankrit Gupta		
	19038	Divyansh Pathak		
16	19004	Aarshia Ghosh	Rabies	Dr. Mrs. A.V. Wagh
	19002	Aaditya		
	19003	Aamir Ansari		
17	19096	Patil Hitesh Shashikant	Dengue	Dr. J.U. Yadav
	19103	Prerna Praveen Kalsekar		
	19118	Shaurya Verma		
18	19082	Nawghare Sanket Panjabrao	NTEP	Dr. S.S. Patil
	19093	Pathan Arkam Aslam		
19	19124	Shivangi Narwaria	Epidemiology of Tuberculosis	Dr. Mrs. A.V. Wagh
	19009	Akanksha		
	19052	Kalyankar Asawari Anandidas		
20	19055	Karotkar Mohit Anil	Diagnosis and Prevention of TB	Dr. J.U. Yadav
	19120	Shetake Sharvari Vitthal		
	19029	Chavan Mihika Rahul		
21	19051	Kale Suyash Madhukar	Polio	Dr. S.S. Patil
	19058	Kate Saurabh Satish		
	19025	Chandanshive Vinayak M.		
22	19028	Chavhan Gayatri Ashok	Malaria	Dr. Mrs. A.V. Wagh
	19024	Chanchal Yadav		
	19115	Satyam Shashwat		
23	19018	Anunay	Hepatitis A &E	Dr. J.U. Yadav
	19129	Snehit Kumar		
	19021	Barrenkala Visweswar		
24	19081	Mustahab Bint Mustaqeem	Hepatitis B & C, D	Dr. S.S. Patil
	19014	Ankisha Kumari		
	19083	Neideikim Haokip		
25	19140	Tushar Soumya Barick	Cholera	Dr. Mrs. A.V. Wagh.
	19001	Aaditi Pandey		
	19101	Prajapati Nirali Hasmukhbhai		
26	19037	Devanshu Yadav	AGE	Dr. J.U. Yadav
	19142	Utkarsh Verma		
	19041	Gopendra Narayan Yadav		
27	19078	Mohith Prasad Bonanthaya	Oral Rehydration Therapy	Dr. S.S. Patil
	19076	Mohadikar Harsh Gangadhar		
	19092	Patel Farhan Khan		
28	19063	Krishanu Prateek	Integrated Vector Management	Dr. Mrs. A.V. Wagh
	19017	Anubhav		



Group No.	Roll. No.	Students Names	Project Name	Project Guide
29	19027	Chavan Chandranshu G	STDs	Dr. J.U. Yadav
	19040	Gandhi Anoushka Ganpat		
	19079	Monteiro Shine Frank		
30	19053	Kalyankar Piyush Santosh	AIDS	Dr. S.S. Patil
	19150	Zeenat Rashid Mulani		
	19045	Jagtap Aakanksha Vilas		
31	19080	Mrunmayee Aniruddha Tagare	Rheumatic Heart Disease	Dr. Mrs. A.V. Wagh
	19056	Kasish Agarwalla		
	19071	Manwadkar Sushil Shrikant		
32	19005	Abhishek Anand	Coronary Heart Disease	Dr. J.U. Yadav
	19007	Agrawal Yash Pawan		
	19008	Aishwarya Rath		
33	19016	Anshu Priya	Leprosy	Dr. S.S. Patil
	19019	Ashtikar Sachi Pravin		
	19020	Ayushi Kesharwani		
34	19022	Bhalgamiya Ronak Ganeshayabhai	Cancers	Dr. Mrs. A.V. Wagh
	19023	Bisal Majumder		
	19030	Chiranthan Prasan C.		
35	19033	Deshmukh Devyani Pratap	DM	Dr. J.U. Yadav
	19036	Dev Bohra		
	19043	Harsh Karunakar Poojary		
36	19044	Hujare Ayesha Ijjahamad	RCH programme	Dr. S.S. Patil
	19046	Jain Sakshi Shashank		
	19047	Jankar Yogeshwar Namdev		
37	19048	Jatin Kumar Bari	NPCDCS	Dr. Mrs. A.V. Wagh
	19049	K Srinivasreddy		
	19054	Kanhepatil Krishna Anilrao		
38	19062	Khushi Harne	MDGs	Dr. J.U. Yadav
	19064	Krishtinna Gogoi		
	19065	Kulkarni Amey Dilip		
39	19070	Mallikarjun B Sheegihalli	Contraceptive/Fertility regulating methods	Dr. S.S. Patil
	19072	Marathe Trushna Raju		
	19075	Mirgunde Aditya Shishir		
40	19077	Mohammad Shahid Abbas	Antenatal care	Dr. Mrs. A.V. Wagh
	19084	Nidhi H Joshi		
	19085	Nikhil Gokuldas		
41	19086	Nikita Nanasab Awatade	Care of children	Dr. J.U. Yadav
	19087	Nishan R Benachinamardi		
	19089	Ovhal Arpita Parshuram		
42	19091	Paritosh Kumar Singh	Growth and development	Dr. S.S. Patil
	19094	Patil Akanksha Sanjeev		
	19095	Patil Harshwardhan Amarsinh		

Group No.	Roll. No.	Students Names	Project Name	Project Guide
43	19097	Peddireddy Saimanas Reddy	Indicators of MCH	Dr. Mrs. A.V. Wagh
	19100	Pragya Yadav		
	19102	Prajwal P Hosamani		
44	19104	Prutha Joshi	School health services	Dr. J.U. Yadav
	19109	Ranpara Krunal Damjibhai		
	19116	Shah Ajinkya Sachin		
45	19117	Sharun Benz	ICDS	Dr. S.S. Patil
	19121	Shetty Shravya Shankar		
	19125	Shivaraj B Patil		
46	19126	Shreya Dinesh Desai	Nutritional problems in Public Health	Dr. Mrs. A.V. Wagh
	19130	Solanki Akshata		
	19131	Somani Archit Ashish		
47	19132	Sonali	Food toxicants, additives, fortification, standards	Dr. J.U. Yadav
	19133	Srishti Rai		
	19134	Taneja Hardik Bhavindra		
48	19136	Tarush Dubey	Community nutrition programs	Dr. S.S. Patil
	19141	Upadhye Heeba Fazal		
	19144	Vijay N Sullad		

  
 (Dr. Mrs. A.V. Wagh)  
 Professor & Head  
 Dept. of Community Medicine

**Head Department of**  
**Community Medicine**  
 D. Y. Patil Medical College, Kolhapur

Date :- 16/03/2020

Department of Community Medicine

To,  
The Dean  
D.Y. Patil Medical College  
Kolhapur

**Sub :- Report of Research Methodology Training for UG students**

The undergraduate short term research projects in Community medicine were started to encourage students participation in community oriented health problems, inculcate teamwork among students groups with appropriate intervention for community problems.

In first phase, Research methodology training for VI<sup>th</sup> term MBBS Students were conducted on 12<sup>th</sup> March 2020 between 2 :00 pm to 4:30 pm. Out of 150 students 129 students were present.

Introduction & purpose of starting U G Projects was explained by Dr. A.V.Wagh. "BITMER" Certificates were distributed to students who had successfully completed the projects in presence of Pro - Vice-Chancellor Dr. Shimpa Sharma Madam.

In this module, important topics were discussed by faculty members. An overview of project conduction & guidelines by Dr. J. U. Yadav, Selection of topic & methodology by Dr. S. S. Patil, Bioethics in Research by Dr. P A. Potdar and Calculation of sample size by Mrs. M. M. Desai.

It was an interactive session .

Assessment was done by MCQ test.



(Dr. A.V. Wagh)

Prof. & HOD Community Medicine

**Head Department of**

Community Medicine

D. Y. Patil Medical College, Kolhapur -



# Research Methodology Workshop for UG Students.





D. Y. Patil Education Society's Deemed University  
**D. Y. Patil Medical College, Kolhapur**

*Certificate*

This is to certify that Mr./Miss. \_\_\_\_\_ has completed

**Basic Introductory Training to Medical Research (BITMER),**

with submission of supervised research project during MBBS training to

Department of Community Medicine

Titled: \_\_\_\_\_

at D. Y. Patil Medical College, Kolhapur during \_\_\_\_\_

**Prof & Head**  
Department of Community Medicine

**Dean**  
D. Y. Patil Medical College