

Shri. Shahu Shikshan Prasarak Seva Mandal's

**Shri. Vijaysinha Yadav College, Peth Vadgaon**

Tal: Hatkanangale, Dist: Kolhapur

A Proposal for

**A Proposal for Establishing a Common Facility Centre for  
Promoting Interdisciplinary Research Activities**

Under,

**Department of Physics,  
Shri. Vijaysinha Yadav College, Peth Vadgaon**

A Proposal for

**A Proposal for Establishing a Common Facility Centre for  
Promoting Interdisciplinary Research Activities**

- 1. Name of the College:** Shri. Vijaysinha Yadav College,  
Peth Vadgaon, Tal. - Hatkanangale,  
Dist.- Kolhapur. 416 112
- 2. Name of the affiliating University:**  
Shivaji University, Kolhapur. 416 004
- 3. Coordinating Department:**  
Department of Physics
- 4. Address:** Latawade Road, Peth Vadgaon, Tal.- Hatkanangale,  
Dist.- Kolhapur. 416 112  
Telephone No: (0230- 2471599),  
Email: [vyadavcollege@rediffmail.com](mailto:vyadavcollege@rediffmail.com)
- 5. Principal Coordinator and full address:**  
Dr. Sachin Jagadeo Pawar,  
Associate Professor in Physics,  
Shri. Vijaysinha Yadav Arts & Science College,  
Peth Vadgaon, Tal.- Hatkanangale, Dist.- Kolhapur.  
Email: [asachinpawar@gmail.com](mailto:asachinpawar@gmail.com)  
Mo. No. 7020305351

# **A Proposal for Establishing a Common Facility Centre for Promoting Interdisciplinary Research Activities**

## **1. Introduction:**

We propose the establishment of a state-of-the-art Common Facility Centre (CFC) at our college to facilitate and promote interdisciplinary research activities across various scientific disciplines. The CFC will house major research equipment related to Physics, Chemistry, Botany, Zoology, Microbiology, and other related fields, creating a collaborative environment that fosters cutting-edge research, knowledge exchange, and innovation.

## **2. Objectives:**

- Facilitate interdisciplinary research by providing access to advanced research instruments.
- Promote collaboration and knowledge sharing among researchers from different scientific disciplines.
- Enhance the quality and scope of research projects through the utilization of specialized equipment.
- Support faculty and student research endeavors by providing access to cutting-edge technologies.
- Strengthen the college's research infrastructure and contribute to its reputation as a research hub.

## **3. Proposed Activities:**

### **A. Infrastructure and Equipment Setup:**

- Identify the major research equipment required in Physics, Chemistry, Botany, Zoology, Microbiology, and other relevant fields.

- Procure advanced research instruments and equipment to be housed in the CFC.
- Set up the necessary infrastructure, including dedicated laboratories and workspaces.

#### **B. Research Access and Training:**

- Establish a reservation system to allow researchers to access the equipment based on their project needs.
- Provide training sessions for researchers, faculty members, and students on the proper usage of the equipment.
- Offer workshops and seminars to enhance researchers' skills and knowledge in interdisciplinary research.

#### **C. Interdisciplinary Collaboration:**

- Encourage researchers from different departments to collaborate on projects that require the use of multiple instruments.
- Create a platform for sharing research findings, challenges, and potential collaborations across disciplines.
- Organize interdisciplinary research groups and seminars to foster cross-disciplinary interactions.

#### **D. Maintenance and Upgradation:**

- Implement a maintenance schedule to ensure the proper functioning of equipment.
- Allocate funds for regular maintenance and potential upgrades of the research instruments.
- Stay updated with technological advancements and acquire new equipment to stay at the forefront of research.



#### 4. Equipment List:

Sr. No.	Name of Equipment	Quantity	Cost Per Unit	Total Cost
01	Sonicator	1	15000	15000
02	Rota evaporator-Buchi	1	500000	500000
03	Fume Hood	1	100000	100000
040	Automatic Microtome Machine	1	150000	150000
05	Microprocessor Based PH Meter	1	20000	20000
06	Electrochemical Workstation	1	1200000	1200000
07	Chemical Bath Deposition Unit	1	400000	400000
08	Tube Furnace	1	500000	500000
09	Spin Coating Unit	1	400000	400000
10	Electronic Weighing Balance	1	100000	100000
11	PCR Unit	1	250000	250000
12	Ultra Centrifuge	1	80000	80000
		<b>Total</b>	<b>3715000</b>	<b>3715000</b>

#### 5. Implementation Phases:

##### A. Phase I (0-6 months):

- Set up the infrastructure and laboratory spaces for the GPC

- Develop the reservation system and training programs for researchers.

#### **B. Phase II (6-12 months):**

- Launch the CFC and conduct initial training sessions for researchers.
- Organize interdisciplinary research groups and initiate cross-disciplinary collaborations.
- Establish a platform for sharing research findings and fostering collaboration.

#### **C. Phase III (12-18 months):**

- Monitor and maintain the research equipment, addressing any technical issues.
- Enhance interdisciplinary collaboration through seminars and conferences.
- Allocate funds for the maintenance and potential upgradation of equipment.

#### **6. Action Plan:**

- Expand the range of research equipment available in the CFC to accommodate evolving research needs.
- Collaborate with external research institutions and industries for joint research projects.
- Establish the CFC as a hub for interdisciplinary research in the region.

#### **7. Conclusion:**


The proposed Common Facility Centre for Promoting Interdisciplinary Research Activities reflects our commitment to fostering a collaborative research environment that transcends traditional disciplinary boundaries. By providing access to advanced research instruments and facilitating interdisciplinary collaboration, we aim to contribute significantly to scientific advancements, innovation, and the overall growth of the institution. We seek the support and

participation of researchers, faculty members, industries, and government bodies to make this transformative initiative a reality.

**8. Budget :**

Sr. No	Particulars	2023-24	2024-25	2025-26
1	Major Research Instruments	3715000	-	-
3	Infrastructure Setup (Laboratories, Workspaces):	300000	-	-
4	Research Access and Training	50000	25000	25000
5	Interdisciplinary Research Group Activities	80000	80000	80000
6	Maintenance and Upgradation	-	100000	100000
	<b>Total</b>	4145000	205000	205000
	<b>Grand Total:</b>			4555000

  
**Signature of the Coordinator**  
(Dr. Sachin J. Pawar)

  
**Signature of the Principal of the College,**  
**Principal**  
Shri. Vijaysinha Yadav College  
Peth Vadgaon, Dist. Kolhapur.

Shri. Shahu Shikshan Prasarak Seva Mandal's

**Shri. Vijaysinha Yadav College, Peth Vadgaon**

**Department of English**

A Proposal for

**Establishing Infrastructure for Online Content  
Creation and Recording Studio**



A Proposal for  
**Establishing Infrastructure for Online Content  
Creation and Recording Studio**

**1. Name of the College:** Shri. Vijaysinha Yadav College,  
Peth Vadgaon, Tal. - Hatkanangale,  
Dist.- Kolhapur. 416 112

Name of the affiliating University: Shivaji University, Kolhapur. 416 004

**2. Address:** Latawade Road, Peth Vadgaon, Tal.- Hatkanangale,  
Dist.- Kolhapur. 416 112

Telephone No: (0230- 2471599),

Email: [vyadavcollege@rediffmail.com](mailto:vyadavcollege@rediffmail.com)

**3. Name of the conducting Department:** Department of English

**4. Principal Coordinator and full address:**

Prof. Prashant P. Yadav, Department of English,

Shri. Vijaysinha Yadav Arts & Science College,

Peth Vadgaon, Tal.- Hatkanangale, Dist.- Kolhapur. 416 112

Email: [yadavprashant1980@gmail.com](mailto:yadavprashant1980@gmail.com)

Mo. No. 9404987375



# A Proposal for Establishing Infrastructure for Online Content Creation and Recording Studio

## 1. Introduction:

Shri. Vijaysinha Yadav College, Peth Vadgaon, has always been at the forefront of embracing innovative approaches to education. In today's digital age, online educational content has become a powerful tool for enhancing learning experiences. We propose the establishment of a state-of-the-art infrastructure for online content creation, including a video capturing room and a recording studio. This initiative aims to empower our faculty to create engaging multimedia resources and provide students with flexible and effective learning options.

## 2. Objectives:

- 1 Enable faculty members to create high-quality educational content using modern technology.
- 2 Provide a dedicated space equipped with advanced tools for video capturing and content production.
- 3 Enhance the overall teaching and learning process by integrating multimedia resources.
- 4 Foster innovation and creativity among faculty members in curriculum delivery.
- 5 Ensure the accessibility and inclusivity of online content for all students.

## 3. Proposed Activities:

### A. Infrastructure Setup:

- Video Capturing Room: Establish a dedicated room equipped with professional-grade video cameras, lighting setups, and audio recording devices.

- **Recording Studio:** Develop a recording studio with soundproofing, high-quality microphones, mixing consoles, and editing workstations.

### **B. Technological Integration:**

- **Editing Software:** Install industry-standard video and audio editing software for post-production work and content enhancement.
- **Content Management System:** Implement a content management system for organizing, storing, and sharing the created educational content.

### **C. Training and Capacity Building:**

- **Faculty Workshops:** Conduct hands-on workshops to train faculty members in content creation, video production, and effective use of multimedia resources.
- **Technical Support:** Provide ongoing technical support to assist faculty members with content creation and studio equipment usage.

### **D. Content Creation:**

- **Video Lectures:** Encourage faculty members to create engaging video lectures, tutorials, demonstrations, and presentations for various subjects.
- **Interactive Content:** Develop interactive multimedia content such as quizzes, simulations, animations, and visual aids.

### **E. Quality Assurance:**

- **Review Process:** Establish a systematic review process to ensure the quality, accuracy, and effectiveness of the created content.
- **Accessibility:** Ensure that all created content adheres to accessibility standards, making it usable by students with disabilities.

#### **4. Budget Proposal:**

##### **A. Phase I (0-3 months):**

- Video Capturing Room Setup (Equipment, Lighting, Acoustic Treatment): Rs. [Estimated Cost]
- Initial Software Installation (Editing Software, Content Management System): Rs. [Estimated Cost]

##### **B. Phase II (3-6 months):**

- Recording Studio Development (Soundproofing, Microphones, Mixing Consoles): Rs. [Estimated Cost]
- Technical Support and Training Workshops (Trainers, Materials): Rs. [Estimated Cost]

##### **C. Phase III (6-9 months):**

- Faculty Training Workshops on Content Creation and Video Production: Rs. [Estimated Cost]
- Creation of Initial Multimedia Content (Video Lectures, Interactive Elements): Rs. [Estimated Cost]

#### **5. Implementation Phases:**

##### **A. Phase I (0-3 months):**

- 1 Set up the Video Capturing Room with necessary equipment and lighting.
- 2 Install video editing software and the content management system.
- 3 Prepare the room for optimal acoustic conditions.

##### **B. Phase II (3-6 months):**

- 1 Develop the Recording Studio with soundproofing and advanced audio equipment.
- 2 Install mixing consoles and other necessary studio components.

- 3 Conduct technical support sessions for faculty and familiarize them with the equipment.

#### **C. Phase III (6-9 months):**

- 1 Organize faculty training workshops on content creation and video production techniques.
- 2 Assist faculty members in creating initial video lectures and interactive content.
- 3 Implement the content management system for organizing and sharing created content.

#### **6. Long-Term Vision:**

##### **A. 3-Year Action Plan:**

- Continuous faculty development in content creation and multimedia pedagogy.
- Expansion of multimedia content offerings across various subjects and disciplines.
- Integration of student-generated multimedia projects as part of coursework.

##### **B. 7-Year Strategic Plan:**

- Collaboration with other educational institutions for content sharing and collaborative projects.
- Hosting of regional workshops and seminars on innovative pedagogical practices.
- Development of a repository of high-quality online educational resources.

#### **7. Conclusion:**

The establishment of infrastructure for online content creation and recording studio at Shri. Vijaysinha Yadav College is a forward-looking initiative that aligns with the changing landscape of education. By equipping faculty members with the tools and resources to create engaging multimedia content, we are taking a significant step towards enriching the teaching and learning experience. We



humbly request the support and approval of the college administration to move forward with this transformative project.

**8. Budget:**

Sr. No	Particulars	2023-24	2024-25	2025-26
1	Video Capturing Room Setup (Equipment, Lighting, Acoustic Treatment)	300000	-	-
2	Initial Software Installation (Editing Software, Content Management System)	200000	-	--
3	Recording Studio Development (Soundproofing, Microphones, Mixing Consoles)	400000	-	-
4	Technical Support and Training Workshops (Trainers, Materials)	100000	-	-
5	Faculty Training Workshops on Content Creation and Video Production.	80000	-	-
6	Creation of Initial Multimedia Content (Video Lectures, Interactive Elements)	60000	-	-
7	Administrative Expenses	25000	25000	25000
	Total	1165000	25000	25000
	Grand Total:			12,15,000/-

  
Signature of the Coordinator

  
Signature of the Principal of the College,  
**Principal**

Shri. Vijaysinha Yadav College  
Peth Vadgaon, Dist. Kolhapur.



Shri. Shahu Shikshan Prasarak Seva Mandal's

## **Shri. Vijaysinha Yadav College, Peth Vadgaon**

### **Proposal for Alumni Portal**

#### **About College**

Shri. Vijaysinha Yadav College Peth Vadgaon established in 1999 specially to provide quality education to the students from Peth Vadgaon and surrounding rural area under the roof of Shri. Shahu Shikshan Prasarak Seva Mandal Peth Vadgaon. The College is situated in rural area. The college is accredited A+ (CGPA: 2.41) by NAAC, Bangalore in February 2023 during its third cycle.

#### **About Alumni**

Shri. Vijaysinha Yadav College has a registered alumni association namely Shri. Vijaysinha Yadav Mahavidyalaya Maji Vidyarthi Kalyankari Mandal, Peth Vadgaon with registration No. Kolhapur /00000030/2020 dated 21-01-2020. The Alumni of the college are placed in industries, business, professional fields, academic and social work. Since 2018 every year on 12<sup>th</sup> January alumni meeting is organized. The alumni association of the college has helped overall development of the college. It has strengthened the relationship between the alumni and the Institution which helped for the progress of the institution.

#### **Aims & Objectives:**

- 1) Facilitate networking opportunities among alumni, creating a platform for them to connect and build professional relationship.
- 2) Encourage active participation of alumni in college activities, events and initiatives.
- 3) Facilitate various programmes where experienced alumni provide guidance and support current students.
- 4) Arrange lecturers, webinars, Group discussion, where alumni shares their experiences and expertise.
- 5) Encourage alumni to contribute to the development of the Institution.

## Need of Portal:

Alumni networks can be a valuable resources for both current and former students . For current students alumni networks can provide guidance .For former students alumni networks can provide a way to stay connected to the college and other alumni.

## Outcomes:

- 1) Alumni become more connected and engaged with the Institution, leading to a stronger sense of pride and affiliation.
- 2) Alumni provide guidance and mentorship to current students, helping them make informed career decisions and navigate challenges.
- 3) Current students gain insights from alumni about real world, experiences, industry trends and practical skills .
- 4) Alumni help spread the word about event, workshop, and seminars leading to greater participation .

## Budget:

Sr. No.	Budget	Year	Amount
1.	Alumni Website Portal Developing	2023-2024	100000/-
2.	Alumni Website Portal Developing	2024-2025	100000/-
3.	Alumni Website Portal Developing	2025-2026	100000/-


Surwase  
Dr. N.P. Surwase  
Alumni Committee

A.H.Nikam  
Shri A.H.Nikam  
Principal  
Shri. Vijay Singh Pratap College  
Peth Vadgaon, Dist. Kolhapur.

Shri Shahu Shikshan Prasarak Seva Mandal's  
**Shri Vijaysinha Yadav College Peth Vadgaon**

D. Details of Equipment to be procured

Sr. No.	Name of the Equipment	Qt.	Cost per Unit	Total Cost	Justification
1	Smart Bord	05	160000/	800000	Update tools with NEP-2020
			<b>Total</b>	<b>80000</b>	


  
**Principal**  
Shri. Vijaysinha Yadav College  
Peth Vadgaon, Dist. Kolhapur.


Shri Shahu Shikshan Prasarak Seva Mandal's  
Shri Vijaysinha Yadav College Peth Vadgaon

Department of Zoology

D. Details of Equipment to be procured

Sr. No.	Name of the Equipment	Qt.	Cost per Unit	Total Cost	Justification
1	Hot air oven with thermostat control	2	24000.00	48000	These equipments are required to conduct the research projects and practicals of the Subject Zoology smoothly along with the equipments in the CFC
2	Distillation unit	1	60000.00	60000	
3	Micropipette	20	300.00	6000	
4	Computer with Colour Printer	1	80000.00	80000	
5	LED Projector	1	60000.00	60000	
			<b>Total</b>	<b>254000</b>	

  
Department of Zoology  
Shri. Vijaysinha Yadav College  
Peth Vadgaon, Dist. Kolhapur

  
**Principal**  
Shri. Vijaysinha Yadav College  
Peth Vadgaon, Dist. Kolhapur.



Shri Vijaysinha Yadav College, Pethvadgaon

Department of Physics

A. Details of Equipment to be procured

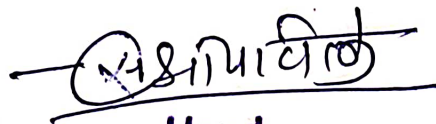
Sl. No	Name of the Equipment	Quantity	Cost per Unit	Total Cost	Justification
1.	Magnetic stirrer	1	4244/-	4244	For Science Exhibition of B. Sc III  These equipments are required to conduct the practicals of the Subject Physics smoothly along with the equipments in the CFC
2.	Flat Spiral spring	2	1750	3500	
3.	Mercury source with ballast	2	6250	1300	
4.	3 Amp ac. D.C Battery Eliminator 15 VOLT	2	1645	3390	
5.	De-Morgan's kit	1	3450/-	3450	
6.	Ballistics Galvanometer	2	5500/-	11000	
7.	Travelling microscope 3D	1	13500/-	13500	
8.	Travelling microscope 2D	2	8772	8772	
9.	Battery Eliminator 3 Amp. AC, DC	2	1450	2900	
10.	Coupled Oscillator with stand	2	2755	5510	
11.	AC Voltmeter 0 to 5 v	2	325	650	
12.	AC Multimeter 0 to 5 v	2	350	700	
12.	Analog Oscilloscope	1	23980	23980	
13.	Stefans constant kit	1	30000	30000	
14	Regulated power supply 0-30v, 2A	4	8000	32000	
15	Voltmeter ac	4	300	1200	



16	Voltmeter dc	4	300	1200
17	Ammeter ac	4	300	1200
18	Ammeter dc	4	300	1200
19	Meter bridge	4	705	2820
20	Galvanometer	6	350	2100
21	Fractional resistance box	5	1000	5000
22	Thermometer 0 to 100	10	300	3000
23	Thermometer 0-360	10	350	3500
24	Copper iron thermocouple kit	2	1000	2000
25	100ml beaker	10	125	1250
26	100ml beaker plastic	10	100	1000
27	Measuring cylinder 500ml	5	250	1250
28	RTD experiment kit	2	3200	6400
29	Table lamp	10	300	3000
30	Stop watch digital	10	180	1800
31	Post office box	2	2000	4000
32	Rheostat 25 ohm	3	1500	4500
33	Rheostat 50 ohm	3	1500	4500
34	Rheostat 100 ohm	3	1500	4500
35	Graphite rode 500gm	2	1000	2000
36	Ac power supply variable	5	8000	40000
37	Kundts tube metal rode with disc	2	1500	3000

38	Step down transformer	2	1500	300
39	Joules calorimeter	5	900	4500
40	Linear expansion of a metal experiment kit	1	6000	6000
41	Ballistic galvanometer 100 ohm and kit	2	5500	11000
42	Coupled oscillator kit	2	12500	25000
43	Electrically maintained tuning fork	2	2000	4000
44	Poiseuille's method experiment kit	1	5500	5500
45	Searles viscometer	2	10000	20000
46	Stopper bottle 1000ml	4	1000	4000
47	Crystal oscillator experiment kit	2	1200	2400
48	Spectrometer 30 sec LC	2	22700	45400
49	Auxiliary slit	2	2500	5000
50	Diffraction grating	2	5000	10000
51	Prism	2	500	1000
52	Biprism	1	750	750
53	Mercury vapour lamp source all setup	2	5500	11000
54	Sodium vapour lamp sources all setup	2	5500	11000
55	Plano-convex lens	10	300	3000
56	Goniometer	2	4500	9000
57	Digital Weight box	1	5000	5000
58	Glass rod	10	70	700
59	Measuring cylinder 25 ml	5	250	1250

60	Experiment and theory chart's	20	500	10000	
61	Flat spiral spring	2	500	1000	
62	Double refracting prism	4	2500	10000	
63	Frequency generator	2	11000	22000	
64	Resistance box 10000	10	1500	15000	
65	Tap key	2	350	700	
66	Four-way key	4	450	1800	
67	Jockey	10	250	250	
68	Charging discharging key	4	750	3000	
69	Solar cell 5cm*5cm	5	1000	5000	
70	Band gap energy of semi-experiment kit	1	10000	10000	
71	Laser source	1	12500	12500	
72	Digital multimeter	10	700	7000	
73	Convex lens 15f, 21f, 30f, 28f each 10	40	30	1200	
74	Flat mirror	10	50	500	
75	Celestial Refracting Telescope	01	2,50,000	2,50,000	For Scienc



**Head**  
**Department of Physics**  
**Shri. Vijaysinha Yadav College**  
**Peth Vadgaon, Dist. Kolhapur.**

Shri. V  
Peth V

Shri Vijaysinha Yadav College, Peth Vadgaon

Department of Microbiology

D. Details of Equipment to be procured

Sl No.	Name of the Equipment	Quantity	Cost per Unit	Total Cost	Justification
1	Gel Documentation System	1	400000.00	400000	These equipments are required to conduct the research projects and practicals of the Subject Microbiology smoothly along with the equipments in the CFC
2	Refrigerator	1	30000.00	30000	
3	Light Microscope	2	10000.00	20000	
4	Digital pH meter	1	10000.00	10000	
5	Digital water bath	1	50000.00	50000	
6	Magnetic stirrer with magnet	1	20000.00	20000	
7	Rotary Pluse Incubator	1	125000.00	125000	
8	Colony counter	1	20000.00	20000	
9	Blood Gas Analyzer	1	200000.00	200000	

  
Head

Department of Microbiology,  
Shri. Vijaysinha Yadav College,  
Peth Vadgaon, Dist. Kolhapur

  
Principal

Shri. Vijaysinha Yadav College  
Peth Vadgaon, Dist. Kolhapur.



Shri Shahu Shikshan Prasarak Seva Mandal's

SHRI VIJAYSINHA YADAV COLLEGE, PETH VADGAON,  
DIST. KOLHAPUR

## DEPARTMENT OF MATHEMATICS

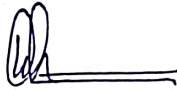
### Training Programming on Methods of Teaching Mathematics 2023-2024

Details of Equipment to be procured

Sl. No.	Name of the Equipment	Quantity	Cost per Unit	Total Cost	Justification
1	PC i7 Core	10	70000	700000	For problem solving and scientific method we 10 PC. 1Pc for the group of 5 students.
	<b>Total</b>			700000	



Mr. D. B. Patil  
Coordinator



**Head**  
Department of Mathematics  
Shri. Vijaysintha Yadav College  
Peth Vadgaon, Dist. Kolhapur.

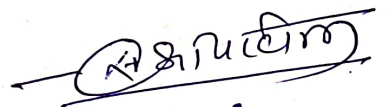



Mr. A. H. Nikam  
g/c **Principal**  
Shri. Vijaysintha Yadav College  
Peth Vadgaon, Dist. Kolhapur.



Shri Shahu Shikshan Prasarak Seva Mandal's  
Shri. Vijaysinha Yadav College, Peth Vadgaon  
*Department of Physics*  
Skill Development Course in  
**Design and Analysis of Photovoltaic Systems**  
**Equipments**

Sr. No	Name of instrument	Quantity	Approximate price
1	Pyranometer	01	84000/-
2	Solar data loggers	01	50000/-
3	I-V curve tracer		280000/-
4	Solar simulator	01	250000/
5	Sun tracker	01	25000/-
6	Inverters	01	5000/-
7	Energy meters	02	1000/-
8	Batteries	02	30000/-
9	Charge controllers	04	7200/-
10	Multimeters	02	5000/-
11	Clamp meters	02	5000/-
12	Safety goggles	02	500/-
13	Insulated gloves	02 pairs	300/-
14	PV panels/modules	01	50000/-
15	Mounting structures	01	5000/-
16	Computers with software	01	100000/-
17	Projectors and screens	01	50000/-
18	Whiteboards or flip charts	01	2000/-
19	<b>Total</b>		<b>950000/-</b>

  
**Head**  
Department of Physics  
Shri. Vijaysinha Yadav College  
Peth Vadgaon, Dist. Kolhapur

  
**Principal**  
Shri. Vijaysinha Yadav College  
Peth Vadgaon, Dist. Kolhapur.

Department of sports

Details of Equipments to be Procured

Sr.No	Name of the Equipment	Quantity	Cost per unit	Total Cost	Justification
1	Kabaddi Mat	02 Court	800000	1600000	
2	Hockey Goal Keeper Pad	2	75000	150000	
3	Hockey Stick	24	4,000	96000	
4	Basket Ball Pole with Court	1 Set	10,00,000	1000000	
5	Modern Gym (Machine)	1 Machine	6,00,000	6,00,000	
6	High Jump Mat With Stand	1 Set	3,00,000	3,00,000	
7	Wrestling Mat	1	65,00,000	650000	
	Total			43,96,000	

*S.F.*

(Shri Sanil M. Patil)

*[Signature]*  
**Principal**  
Shri. Vijaysinha Yadav College  
Peth Vadgaon, Dist. Kolhapur.

# Shri Vijaysinha Yadav College, Peth Vadgaon

## Department of Chemistry

### A. Details of Instrument to be procured

Sr. No.	Name of the Equipment	Quantity	Cost per Unit	Total Cost	Justification
1.	Photoluminescence Spectrophotometer	1	4,99,000/-	4,99,000	It measure luminescence spectrum it is possible to observe material imperfection and impurities.
2.	UV-Vis spectrophotometer with computer attached	1	8,26,000/-	8,26,000	For Band width determination it is only possible method. Computerized spectrum is getting with it which is require for M.Sc. Practical, separation science metal ion, dyes determination and various experiments Along with it nano materials synthesized are confirmed with it.
3	Probe Sonicator	1	2,57,476/-	2,57,476	To explore the reactions in the head of green chemistry and to homogenize the solid as well as nano material.
4	Gas sensing device	1	1,47,500/-	1,47,500	This instrument is useful for analyzing the gas sensing property of synthesized nano materials.
5	High speed cooling centrifuge machine (20,000 rpm)	1	3,00,900/-	3,00,900	The machine is used to separate biosynthesized nano materials for further detailed analysis. Also for the separation of protein sample from the natural materials at lower temperature.
6	Muffle Furnace (1500 °C)	1	35,400/-	35,400	It is used for Centering the nano sized inorganic materials for heat treatment



					at high temperature.
7	Double door refrigerator	1	35,400/-	35,400	To store thermo labile chemicals
8	Colorimeter	4	11800/-	47,200	Colorimetric determination of various metal ions and complexes with it. B.Sc. Students requires for theory and practical for each department.
9	pH meter	4	11800/-	47,200	pH metric study has done in practical pH is obligatory condition for every analysis For each department is need it. For each department is need.
10	Conductometer	5	11446/-	57,230	Conductance is property derived with it .B.Sc. Practical and theory need it. For each department is need.
11	Potentiometer	5	19912/-	79,650	Potential of solutions are determined with it witch are mandatory for .B.Sc. For each department is need.
12	Suction pump	2	29500/-	59,000	For regular separation practical
13	Nephelometer Turbidometer	2	12390/-	24,780	To determine the turbidity of the liquids. Water analysis will be faster and accurate with this instrument
14	Kjeldahl's apparatus	5	3500/-	17,500	Nitrogen analysis from various sample
15	Abbe's Refractometer	2	35400/-	70,800	Refractive index measurement
16	Soxhlet Extractor	2	13943/-	27,887	For the extraction of various plant materials in academic projects.
17	BOD and COD meter	1	82,600/-	82,600	For day to practical of B.Sc. III and for projects
18	Microwave oven	1	29,500/-	29,500	Quick heating of media and chemicals

  
Head

Department of Chemistry  
Shri. Vijaysinha Yadav College  
Peth Vadgaon, Dist. Kolhapur

  
Principal

Shri. Vijaysinha Yadav College  
Peth Vadgaon, Dist. Kolhapur.




# Library

## A. Details of Equipment and furniture to be procured

Sl. No.	Name of the Equipment	Quantity	Cost per Unit	Total Cost	Justification
1	Book shelve cupboard	20	10,000	2,00,000	Reference books
2	Study room table with compartment	25	12,000	3,00,000	Study purpose for boys and girls
3	Chairs for study room	100	1500	1,50,000	Seating arrangement for students
4	LED TV 50 inch.	01	40,000	40,000	For CAS and SDI services
5	CCTV Camera 6 and server	01	50,000	50,000	Library security
6	Xerox Auto play with colour copier	01	2,00,000	2,00,000	For reprographic services
7	Computers	10	50,000	5,00,000	Digital Library and accesses e-resources
8	Battery Backup inverter for four hours	01	1,00,000	1,00,000	Battery backup
9	Journals and magazine cupboards	02	25,000	50,000	Arrangement and display of new arrived journals
10	Computer table	10	2,000	20,000	For digital library
	<b>Total</b>			16,10,000	

Soft copy sent on  
Dr. Parshat Yadav's  
mail.

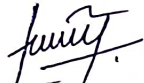
  
 श्री. वि. वि. महाविद्यालय  
 पेट वडगाव, जि. कोल्हापूर, जि. कोल्हापूर  
 प्राचार्य  
 श्री. विजयसिंह यादव महाविद्यालय  
 पेट वडगाव, जि. कोल्हापूर.

Shri. Vijaysinha Yadav College, Peth Vadgaon

Department of Sociology

D) Details of Equipment to be procured

Sr. No.	Name of the Equipment	Quantity	Cost per Unit	Total Cost	Justification
01	LED Projector	01	60000/	60000/	Improve teaching and learning
02	Scanner and Printer	01	25000/	25000/	Regular Need of Department
03	SPSS- Software	01	300000/	300000/	Upgradation of Social Research
	<b>Total</b>		<b>385000/</b>	<b>3885000/</b>	<b>All tools are the Part of education in 21<sup>st</sup> century and NEP-2020</b>



**Head,**  
Department of Sociology  
V. Y. College, Peth- Vadgaon, Kolhapur



**Principal**  
Shri. Vijaysinha Yadav College  
Peth Vadgaon, Dist. Kolhapur.


# Office

Si. No	Name of the Equipment	Quantity	Cost per Unit	Total Cost	Justification
1	Laptop i5	2	70000	140000	
2	Computer i7	7	75000	525000	
3	Xerox machine	2	275000	550000	
4	Printer	4	25000	100000	
5	wifi system	1	50000	50000	
6	cc camera	6	10000	60000	
7	C.C. TV	1	40000	40000	
8	Kioxk System	2	60000	120000	
	Total Cost			1585000	

*Annam*  
Principal  
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Peth Vadgaon, Dist. Kolhapur.

J. The details of the Activities to be undertaken from the Suggestive list of activities under the component as provided in Chapter VI of the Guidelines

Sr.				
9	Mobile app software with android and ios system	Online information dashboard, timetable, examination allotment schedule, evaluation, and other academic activities Admission , Account, Exam each	150 Rs each Student Per Year $150 \times 1300 = 195000$ $0 \times 3 = 585000/-$	3 Years
18	Mobile app software with android and ios system	Online portal for student services (attendance, academic record, hostel-related services, complaint registration, etc.	150 Rs each Student Per Year $150 \times 1300 = 195000$ $0 \times 3 = 585000/-$	3 Years

  
**Principal**  
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