



6.2.1 - The institutional Strategic/ perspective plan is effectively deployed- 2021-22

Documents

- 1) Plan of the institute for deployment is as included/attached below
- 2) documents related to research laboratory
- 3) STSSPM Teaching and Learning application

<https://play.google.com/store/apps/details?id=com.so.qsdwr&pli=1>

- 4) Documents of Augmentation of computer Laboratory-IV

<http://vmssangola.org/naac202122/dec2022.1/6.2.1%20-%20The%20institutional%20Strategic-%20perspective%20plan%20is%20effectively%20deployed.pdf>

- 5) Ladies Hostel completion Report

<http://vmssangola.org/naac202122/dec2022.1/6.2.1%20-%20The%20institutional%20Strategic-%20perspective%20plan%20is%20effectively%20deployed.pdf>

!!! Vidya Sarvarth Siddhaye !!!



Sangola Taluka Shetkari Shikshan Prasarak Mandal, Sangola's

Vidnyan Mahavidyalaya, Sangola.

Tal-Sangola, Dist-Solapur, MH-413307, India.

(Affiliated to Punyashlok Ahilyadevi Holkar Solapur University, Solapur.)

Perspective Plan/Strategic Plan

2018 to 2023

Perspective Plan/Strategic Plan

2018 to 2023

Criterion – I: Curricular Aspects

Key Indicator – 1.1 Curricular Planning and Implementation

Key Indicator- 1.2 Academic Flexibility

Key Indicator- 1.3 Curriculum Enrichment

Key Indicator- 1.4 Feedback System

Plan:

- 1) To introduce new courses and new programs (M.A.-History, Yoga, Spoken English, History of tourism, M.Sc. - Chemistry).
- 2) To develop the departmental blog for better exposure of syllabus, curricular activity, co-curricular activity, extension activity, research activity, etc.
- 3) To introduce online feedback system.
- 4) Continuation of Add-on courses
- 5) To submit the proposals for B. Voc. Courses.
- 6) To introduce additional divisions to fulfill demands of the students.
- 7) To motivate faculty of college for enrichment and innovation in syllabus at Board of studies at university level.
- 8) To arrange the workshops related to syllabus discussion and to motivate faculty members to attend workshops.
- 9) To develop structured mechanism of online feedback.
- 10) To implement CBCS pattern introduced by university.

Criterion – II: Teaching, Learning and Evaluation

Key Indicator- 2.1 Student Enrolment and Profile

Key Indicator- 2.2 Catering to Student Diversity

Key Indicator- 2.3 Teaching- Learning Process

Key Indicator- 2.4 Teacher Profile and Quality

Key Indicator- 2.5 Evaluation Process and Reforms

Key Indicator- 2.6 Student Performance and Learning Outcome

Key Indicator- 2.7 Student Satisfaction Survey

Plan:

- 1) To develop the learning management system.
- 2) To develop the mobile android app for e-learning.
- 3) To develop software for academic and administrative purpose.
- 4) To develop mentor-mentee system.
- 5) To generate corpus fund, student aid fund.
- 6) To prepare mentor book for keeping the student's academic record.
- 7) To organize indoor and outdoor games at college level.
- 8) To organize Shramik Day and Gymkhana day (Annual Prize Distribution ceremony).
- 9) To motivate students to participate at national level and international level events like sports activity, cultural activity, research activity.
- 10) To organize workshops for students for stress management and stress removal.
- 11) To collect online Student Satisfaction Survey (SSS).
- 12) To introduce remedial teaching.
- 13) To adopt Online Teaching - Learning process: use of Google classroom, blogs, You Tube Videos, NPTEL Video lectures etc.

Criterion – III: Research, Innovations and Extension

Key Indicator- 3.1 Resource Mobilization for Research

Key Indicator- 3.2 Innovation Ecosystem

Key Indicator- 3.3 Research Publication and Awards

Key Indicators- 3.4 Extension Activities

Key Indicator- 3.5 Collaboration

Plan:

- 1) To organize international/national level workshops, conferences and seminars on Intellectual properties rights etc.
- 2) To develop the research center.
- 3) To motivate the faculty for submission of research proposal, to fill patent, to write and publish research article in well reputed peer reviewed journals.
- 4) To develop the linkages for the exchange of research activity.
- 5) To create MOU with neighboring institute for student exchange, faculty exchange and research activities.
- 6) To increase participation of students in research through, field projects, in house projects, presentation of research papers in seminars, conferences, workshop etc.
- 7) To felicitate the faculty and students for publishing quality research paper in peer reviewed International Research Journal.
- 8) To arrange the program/activity related to sensitize students to social issues, for their holistic development.

Criterion – IV: Infrastructure and Learning Resources

Key Indicator – 4.1 Physical Facilities

Key Indicator – 4.2 Library as a learning Resource

Key Indicator- 4.3 IT Infrastructure

Key Indicator – 4.4 Maintenance of Campus Infrastructure

Plan:

- 1) To establish health care centre.
- 2) To construct Women's Hostel.
- 3) To install Photovoltaic Solar Panel to generate power of 15 kWh.
- 4) To install 10 mbps internet connection (CCNET lease line) and 20 mbps internet connection (Fiber premium plus BSNL) for better speed and connectivity.
- 5) To purchase additional computers for academic and administrative purpose.

- 6) To purchase DLPs.
- 7) To increase the number of digital classrooms.
- 8) To provide high speed internet connectivity to each departments.
- 9) To provide e-learning resources like INFLIBNET, NDL, e-journals, e-books.
- 10) To upgrade library and office automation.
- 11) To develop Management Information System (MIS) on campus and off campus.
- 12) To upgrade the college website.
- 13) To install more IP CCTV cameras for better surveillances.
- 14) To upgrade Classroom/Laboratories & Research Centers.
- 15) To subscribe of additional journals and periodicals.
- 16) To develop policy details of systems and procedures for maintaining and utilizing physical, academic and support facilities.

Criterion – V: Student Support and Progression

Key Indicator- 5.1 Student Support

Key Indicator- 5.2 Student Progression

Key Indicator- 5.3 Student Participation and Activities

Key Indicator- 5.4 Alumni Engagement

Plan:

- 1) To utilize collected student aid fund for needy, poor and scholar students as a scholarship.
- 2) To create an awareness amongst of students regarding schemes and scholarships.
- 3) To enrich the grievance redressal cell related to internal and external examinations, ragging, sexual harassment, health, gender equality.
- 4) To arrange the programmes related to soft skills.
- 5) To enrich the language laboratory.
- 6) To establish yoga center.
- 7) To provide the health center facility to students free of cost.

- 8) To establish competitive examination center.
- 9) To enrich the placement cell.
- 10) To arrange in campus and off campus drives for final year students.
- 11) To motivate students for participation in national and international events (Sports, cultural, NSS, NCC etc.).
- 12) Formation of student council and student's participation on various bodies as per established processes and norms.
- 13) To organize alumni meet once in every year.
- 14) To organize study tours, industrial visits, field visits for experiential learning.
- 15) To arrange training camps for the recruitment of police and defense services, in collaboration with academy.

Criterion – VI: Governance, Leadership and Management

Key Indicator- 6.1 Institutional Vision and Leadership

Key Indicator- 6.2 Strategy Development and Deployment

Key Indicator- 6.3 Faculty Empowerment Strategies

Key Indicator- 6.4 Financial Management and Resource Mobilization

Key Indicator- 6.5 Internal Quality Assurance System

Plan:

- 1) To strengthen IQAC.
- 2) To prepare academic and administrative calendar.
- 3) To allocate the budget.
- 4) To provide incentives to students participating in national international events through sports, NCC, NSS, research paper presentations.
- 5) To provide incentives to faculty members to publish research article in reputed journals and to attend conference, seminars, workshops etc.
- 6) To enrich the mechanism of insurance facility to students and teachers.

- 7) To develop software for e-governance in areas of Administration, Finance and Accounts, Student Admission and Support, Examination.
- 8) To conduct external audit by university authority, Joint Director of higher education, Govt. of Maharashtra.
- 9) To conduct internal audit by Chartered Accountant appointed by college.
- 10) To prepare and submit AQAR promptly and regularly.
- 11) To conduct AAA by internal and external agency.

Criterion – VII: Institutional Values and Best Practices

Key Indicator- 7.1 Institutional Values and Social Responsibilities

Key Indicator- 7.2 Best Practices

Key Indicator- 7.3 Institutional Distinctiveness

Plan:

- 1) To conduct green audit by external agency.
- 2) To organize different programmes related to gender sensitization, anti-ragging, prevention of sexual harassment.
- 3) To use LED light bulbs instead of tube lights.
- 4) To organize environmental related awareness programmes for students and staff members.
- 5) To plan to develop a strategy to manage all types of wastes.
- 6) To increase the water harvesting capacity of tank.
- 7) To create Divyangjan-friendly and barrier free environment in campus.
- 8) To produce physical facility for Divyangjans (for students and faculties).
- 9) To focus on maintenances of best practices.

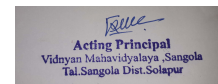


Dr. J. V. Thombare.
Asst. Coordinator IQAC



Co-ordinator
IQAC
Vidnyan Mahavidyalaya, Sangola
Tal. Sangola Dist. Solapur (MS) 413307

Dr. S. S. Dhasade.
Coordinator IQAC



Acting Principal
Vidnyan Mahavidyalaya, Sangola
Tal. Sangola Dist. Solapur

Dr. R. A. Fule.
Acting Principal

Received
Copy

विनंती अर्ज

डॉ. जगन्नाथ विष्णु डोंबरे,
सहायक प्राध्यापक,
पदार्थविज्ञान विभाग,
दि. २७/०८/२०२२

प्रति:
प्रभारी प्राचार्य,
विज्ञान महाविद्यालय,
सांगोला.

विषय: संशोधन लॅब (Research Laboratory) साठी
स्वतंत्र्य करिबोली उपलब्ध करून देणेबाबत,

महोदय,

वरिल विषयास अनुसरून आपणास कळवू इच्छितो की,
मुद्दा क्रं. १: पुण्यश्लोक अहिल्यादेवी होळकर सोलापूर विद्यापीठ,
सेलापूर, या विद्यापीठाची मला Ph.D. कोर्ससाठी
ग्राइंडशिप (मागदर्शक म्हणून मान्यता) प्राप्त झाली असून,
माझ्या मागदर्शिनारवाली i) कु. प्रियांका कल्याण जिरी
आणि ii) श्री. श्रीनिवास विनायकराव कुलकर्णी, या दोन
विद्यार्थ्यांची Ph.D. कोर्ससाठी विद्यापीठामार्फत नोंदणी
(Registration) झालेली आहे. सदरच्या दोन विद्यार्थ्यांना
प्रवेश करणेसाठी, सद्यस्थितीत उपलब्ध असलेल्या
लॅबोरेटरी मध्ये, अडचण निर्माण होत आहे.

मुद्दा क्रं. २: तसेच B.Sc.-III (Physics) या विषयाच्या प्रॅक्टिकलच्या
अभ्यासक्रमामध्ये एकूण: ठीक संशोधन प्रकल्पास
असून, सदरच्या विद्यार्थ्यांचे संशोधन प्रकल्प पूर्ण
करणेसाठी आवश्यक असणाऱ्या भौतिक सुविधा
विद्यार्थ्यांना अपुऱ्या आहेत.

मुद्दा क्रं. ३: नॅकच्या उपलब्ध असलेल्या मागदर्शक तत्वानुसार,
महाविद्यालयाकडून संशोधनासंदर्भात खालील मेन्सिक्युलर

(1)

काम अ अपेक्षित आहे.

(मेट्रिक क्रं. 2.4.2, 3.1.1, 3.1.2, 3.1.3, 3.3.1, 3.3.2, 3.3.3,
3.5.1, 4.2.2, 6.3.2)

तरी वरलिप्रमाणे, मुद्दा क्रं 9 ते 3 च्या अनुषंगाने, मी
आपणास या अजद्वारे विनंती करतो की, महाविद्यालयामध्ये
भौतिक सुविधासह स्वतंत्रपणे संशोधन लॅबोरेटरी (Research
Laboratory) साठी कखिवेली उपलब्ध करून द्यावी.

ही विनंती,

कळावे.

आपला विश्वासू,

Thombark

सोबत:

i) Ph.D. साठी नोंदणी झालेल्या विद्यार्थ्यांचे विद्यापीठाचे पत्र (पानं 3-4)

ii) B.Sc-III (Physics) या काळ्या Practical या अभ्यासक्रम (पानं 56)

iii) नॅक, बेंगलोर मार्फत, संशोधनासंदर्भातील AQAR मधील
क्रायटेरियानिहाय मेट्रिक (पानं 7)

प्रत माहितीसाठी:

i) डॉ. शंकर धसाडे,

समन्वयक,

IQAC.

ii) आदरणीय, श्री विठ्ठलराव शिंदे,

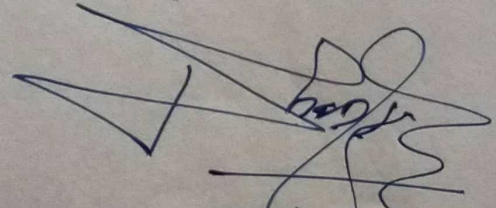
सचिव,

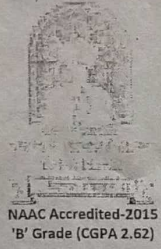
सांगोला तालुका शेतकरी शिक्षण

प्रसारक मंडळ, सांगोला.

Received
Kille
30/04/22

Received.


30/04/2022



पुण्यश्लोक अहिल्यादेवी होळकर सोलापूर विद्यापीठ, सोलापूर

Punyashlok Ahilyadevi Holkar Solapur University, Solapur

केगाव, सोलापूर - ४१३ २५५, महाराष्ट्र (भारत)

दुरध्वनी : ०२१७-२७४४७७१/७२/७३/ (११ लाईन्स), फॅक्स : ०२१७-२३५१३०

संकेतस्थळ: <http://su.digitaluniversity.ac/www.sus.ac.in> ई.मेल: phd@sus.ac.in



Ph.D Research Section

विस्तारीत क्रमांक - १२३, १२४, १६२

Ref No. PAHSUS/ARD/Ph.D.-I/2022/1359

Date: 24/02/2022

To

Mr/Mrs. Priyanka Kalyan Giri

106/2A/5 Devgiri, Water Supply Road,

K.B.P. College Bypass, Solapur

Mob : 7058853688

email : vidulakgiri19@gmail.com

Subject : Provisional Admission for Ph.D Degree [PET-8] Course.

Sir/Madam

With reference to your application for admission to Ph.D. Course in the Subject of **Physics** you are hereby informed that, you have been provisionally admitted to Ph.D. Course and you have been allotted **Dr. J. V. Thombare** as your Research Guide for your research.

You will have to discuss the research topic with your allotted guide and submit the synopsis in 06 copies.

You are further required to submit your synopsis within **30 days** in consultation with your guide.

Failing to comply with the above mentioned conditions your admission is liable to be cancelled without any correspondence.

Thanking you

(Dr.U.V.Metkari)
Deputy Registrar
Research Department

Copy to : The Research Guide

Dr. J. V. Thombare

Vidnyan Mahavidyalaya, Sangola, Solapur

Mob : 9765851171

— email : jagannaththombare@gmail.com



पुण्यश्लोक अहिल्यादेवी होळकर सोलापूर विद्यापीठ, सोलापूर
Punyashlok Ahilyadevi Holkar Solapur University, Solapur
केगाव, सोलापूर - ४१३ २५५, महाराष्ट्र (भारत)

दुरध्वनी : ०२१७-२७४४७७१/७२/७३/ (११ लाईन्स), फॅक्स : ०२१७-२३५१३०

संकेतस्थळ: <http://su.digitaluniversity.ac/www.sus.ac.in> ई-मेल: phd@sus.ac.in



Ph.D Research Section

विस्तारीत क्रमांक - १२३, १२४, १६२

Ref.No. PAHSUS/ARD/Ph.D-I/2022/2357

Date : 07/04/2022

To

Mr/Mrs. Shrinivas Vinayak Kulkarni

A/P- Gheradi, Tal- Sangola, 101 Chandani Chouk,

Dist- Solapur, Sangola-413309

Mob. : 8411023051

Email : shreekulkarni789@gmail.com

Subject : Provisional Admission for Ph.D Degree [PET-8] Course (Second Round).

Sir/Madam

With reference to your application for admission to Ph.D. Course in the Subject of **Physics** you are hereby informed that, you have been provisionally admitted to Ph.D. Course and you have been allotted **Dr. J. V. Thombare** as your Research Guide for your research.

You will have to discuss the research topic with your allotted guide and submit the synopsis in 06 copies.

You are further required to submit your synopsis within **15 days** in consultation with your guide.

Failing to comply with the above mentioned conditions your admission is liable to be cancelled without any correspondence.

Thanking you

(Dr.U.V.Metkari)
Deputy Registrar
Research Department

Copy to : The Research Guide

Dr. J. V. Thombare

Vidnyan Mahavidyalaya, Sangola

Mob. : 9765851171

Email : jagannaththombare@gmail.com

Punyashlok Ahilyadevi Holkar Solapur University, Solapur
Syllabus

For B.Sc. III Physics

Choice Based Credit System (CBCS) Pattern

To be implemented from Academic Year 2021-22

1. Preamble:

Bachelor of Science (B.Sc.) in Physics is the course disseminating knowledge of the subject from fundamental concepts to state-of-technologies. Indeed, the curriculum encompasses knowledge of various themes such as Mathematical Physics, Classical Mechanics, Atomic & Molecular Physics Materials Science, Quantum Mechanics, and Electronics etc. The Choice Based Credit System (CBCS) is implemented for this course. Out of 4 theory papers, in each semester, 3 papers are of core. However, students have to opt one paper from DSE papers. Also one Add on Skill enhance course is included as SEC. In the practical course of 400 marks there are compulsory experiments for practical course IV, V, VI and VII (Project/ Internship). Moreover, project work is also mandatory in curriculum at last semester to ensure better practical knowledge and hence better job opportunities in Research & industrial sector. The details are mentioned in the syllabus.

2. Objectives of the course:

The aim of the course is to generate trained manpower with adequate theoretical and practical knowledge of physics domain. Due care is taken to inculcate conceptual understanding in basic phenomena, materials, appropriate practical skills suitable for research and industrial needs. Objectives are

- To design the syllabus with specific focus on key Learning Areas.
- To equip student with necessary fundamental concepts and knowledge base.
- To develop specific practical skills.
- To impart training on circuit design, analysis, building and testing.
- To prepare students for demonstrating the acquired knowledge.
- To encourage student to develop skills for accepting challenges of upcoming technological advancements.

3. Nature of theory question paper

The nature of theory question paper is as per university common model.

Total Marks 80.

Q. 1 Multiple choice questions (One mark each)	16
Q. 2 Short answer question (Any eight)	16
Q. 3 A. Short answer question (Any four)	12
B. Short answer question (one compulsory)	04
Q. 4 Short answer question (Any four)	16
Q. 5 Long answer question. (Any two)	16
OR Q. 5 Answer the following.	16
A.	
B.	

5. Distribution of Practical Marks (400):

Sr. No.	UA (320)	CA (80)
1.	Practicals (50 x 4 Practicals) 200	Experiment Test (10 + 10) 20
2.	Project (Project-60, Report-10, Oral-10, Presentation-10, Idea/Theme-10) 100	Practical Test (20 + 20) 40
3.	Journal 20	Seminar 10
4.		Industrial visit/ Industrial Case Study / Visit to industrial exhibition /Participation in Conference/ Workshop/ Seminars 10
	Total 320	Total 80
		Total 400

A) University Assessment (320):

Practical Marks (50 X 4=200) may be as given below.

- Flexibility should be given to the students to draw diagrams of respective experiments.
- ✓ **Project:** Every student should take up a project and submit the report of the work carried out. The project work will be assessed independently at the time of practical examination.
- It is mandatory for the students to produce certified journal at the time of practical examination.

B) College Assessment (80):

- **Experiment Test:** 02 Experiment diagram tests, each of 10 marks.
- **Practical Test:** 02 Practical tests, semester-wise, each of 20 marks.
- **Seminar:** Every student of B.Sc. III, Physics will have to deliver one seminar of at least 10 minutes on any advanced topic in Physics using ICT (power point presentation) and submit the report of presentation, for 10 marks.
- **Industrial visit / Local industry case study / Job training/ Visit to industrial exhibition/Participation in the Conference/ Workshop/seminars :** In order to give the exposure of industry/ Research Institute and advances in the field of Physics, industrial visit-should be arranged and submit the report. OR he should submit the report of the case study of local industry or on job training (minimum four days) OR he may visit to an industrial/ Science exhibition OR participate in conference / Seminar / workshop and produce certificate of participation, for 10 marks.

C) Skill Enhancement Course (SEC):

Student has to complete min one of this activity on his own resources and has to produce the certificate of the same. If any official documentation is necessary from institute, it will be provide, e.g. consent letter, etc. The Internship/Industrial Training must have minimum of 240 hours.

नक बैंगलोर मार्केट, संशोधनसंदर्भित AQAR मधलि
क्रयटेरियानिहाय मेयिक.

i) 2.4.2 : No. of full time teachers with Ph.D.

ii) 3.1.2 : No. of teachers recognized as research guide.

iii) 3.3.1 : No. of Ph.D.s registered per eligible teacher

iv) 3.1.1 : Grants received from Govt./ Non-Govt. agencies for research projects/endowment in the institution.

v) 3.1.3 : No. of departments having research projects funded by Govt. & non-Govt. agencies,

vi) 3.3.2 : No. of research papers per teacher in the Journal

vii) 3.3.3 : No. of books & chapters, edited volume, books published & paper published in national, inter-national conference proceedings.

viii) 3.5.1 : No. of collaborative activities for research.

ix) 4.2.2 : The institution has subscription for following e-resources.

i) e-journals, ii) e-ShodhSindhu, iii) Shodhganga membership, iv) e-books, v) databases, vi) remote access to e-resources.

x) 6.3.2 : No. of teachers provided with financial support to attend conference/workshop & towards membership fee professional bodies.

दि. 07/05/2022.

प्रति.
मा. प्रभारी प्राचार्य.
विज्ञान महाविद्यालय,
सांगोला.

विषय: "रिसर्च लॅब" बाबत.

महोदय,

करिब विषयास अनुसरून आपणास कळू इच्छितो की,
मा. संस्था सचिव, आदरणीय श्री. विठ्ठलराव शिंदे सर
यांच्या उपस्थितीमध्ये "रिसर्च लॅब" साठी स्वतंत्र कॅम्पस
दि. 06/05/2022 रोजी उपलब्ध करून देण्यात आली आहे.

सदर कॅम्पस मध्ये लॅबसाठी आवश्यक असणारे
लाईट फिटिंग, कडाप्या वसविणे, वॉश बेसिन वसविणे, पाणी
पाईप फिटिंग, इंटरनेट वायरिंग ^{आणि CCTV} फिटिंग इ. गोष्टींची
उपलब्धता असणे गरजेचे आहे.

तरी सदरची गरज लक्षात घेऊन, आवश्यक त्या
गोष्टी (दुरुस्ती) लॅबमध्ये महाविद्यालयामार्फत करून देण्यास
परवानगी घ्यावी, ही विनंती
कळावे.

आपला विश्वासू

Thambam

(डाॅ. हांबरे जे. व्ही)

- प्रत माहितीसाठी

i) संस्था सचिव,

आदरणीय, श्री. विठ्ठलराव शिंदे सर.

प्रा. डाॅ. हांबरे जे. व्ही.
आवश्यक झाल्यास साहित्य व
सांख्यिके बजेट माला (कॅम्पस
मॅनेजमेंट) बाबत व सुविधा
उपलब्ध करून देणे
15/5/22