

Criterion –I Curricular Aspect

Key Indicator 1.2 Academic Flexibility

Number of Add on /Certificate/Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. where the students of the institution have benefitted during last year's.

INDEX

Sr No	Name of Add on Certificate Programs	Course Code	Year
1	Certificate Course on Lathi Kathi	Women cell	2023-24
2	Certificate Course on Smart Grids and Solar Energy Integration	Physics	2023-24
3	Certificate Course on Water Analysis	Chemistry	2023-24
4	Certificate Course on Advanced Content of Digital Marketing	Commerce	2023-24

NAAC CRITERION - I



Certificate Courses/Programs

2023-24



Academic Year 2023-24

Sr No	Name of Add on Certificate Programs offered	Course Code	Year of offering	No. of times offered during the same year	Duration of the course	Number of students enrolled in the year	Number of Students completing the course in the year
1	Certificate Course on Lathi Kathi	Women cell	2023-24	First time	30 Hours	30	30
2	Certificate Course on Smart Grids and Solar Energy Integration	Physics	2023-24	First time	30 Hours	20	20
3	Certificate Course on Water Analysis	Chemistry	2023-24	First time	30 Hours	20	20
4	Certificate Course on Advanced Content of Digital Marketing	Commerce	2023-24	First time	30 Hours	30	30

Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh.

Women Cell
organizes

Self Defence Certificate Course on Lathi-Kathi

Day-1 Date: 11-09-2023

Inauguration Function

President

Dr. Alka Bhise
Principal, VVM

Inaugurator

Shri. Sadanandji Jadhao Eklavya Archery
Sports
Academy, Nandgaon Kh

Guest of Honor

Dr. Suchita Khodke
Vice-President PKMT & IQAC
Coordinator, VVM

Trainer

Shri. Anup R. Kakade
Eklavya Archery Sports
Academy, Nandgaon Kh

Organizing Committee

Dr. Priti Deshmukh- Incharge Dr. Pratibha Mahalle-Member
Dr. Kavita Kakade-Member Dr. Yogesh Gawali-Member

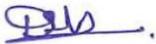
Day-1	Date: 11-09-2023	Monday
Trainer	Shri. Anup Kakade	Ms. Shreya Khandar- B.Sc.-II
Time Span: 1Hr.		



Welcome of Shri Sadananadji Jadhav by offering Sapling.

Examination Result Sheet

S.N.	Name	Class	[Angle of Lathi] 5	[Position]5	Total [10]
1	Anisha Deshmukh	B.Sc.-III	5	5	10
2	Mayuri Vaidya	B.Sc.-III	4	5	9
3	Kajal Pote	B. Com.-I	3	5	8
4	Nivedita Deshmukh	B.Sc.-II	4	5	9
5	Samiksha Jambhole	B.Sc.-II	5	5	10
6	Samiksha Sundarkar	B. Com.-I	5	5	10
7	Nikita Shendre	B. Com.-III	5	5	10
8	Anjali Sathe	B. Com.-III	4	3	7
9	Vaishnavi Jaiswal	B. Com.-III	5	3	8
10	Pallavi Jaiswal	B. Com.-III	4	5	9
11	Priya Hiwrale	B.Sc.-II	5	3	8
12	Pallavi Tarhekar	B. Com.-II	3	5	8
13	Surabhi Sahare	B.Sc.-I	5	4	9
14	Samiksha Deulakar	B.Sc.-I	5	3	8
15	Gitanjali Gudade	B.Sc.-II	3	5	8
16	Bhumeshwari Panzade	B. Com.-I	4	5	9
17	Bhumika Wankhade	B. Com.-II	5	3	8
18	Vaishali Gudade	B.Sc.-II	5	2	7
19	Kajal Pote	B. Com.-I	4	5	9
20	Yogini mate	B. Sc.-III	5	3	8
21	Isha Chandurkar	B. Com III	4	5	9
22	Sakshi Banarase	B. Sc. -II	5	2	7
23	Vaishnavi More	B. Sc. -III	3	5	8
24	Pooja Meshram	B. Com.-I	5	3	8
25	Bhavana Bagde	B. Com.-II	4	5	9
26	Prachi Dhobale	B. Com.-II	5	3	8
27	Samiksha Lichade	B. Com.-I	3	5	8
28	Divya Gawande	B. Sc. -II	5	2	7
29	Komal Narode	B. Sc. -III	4	5	9
30	Vaishnavi Ghawat	B. Sc. -III	4	5	9


Dr. Priti Deshmukh
Coordinator

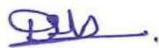

Mr. Anup Kakade
Trainer


Dr Suchita Khodke
I.Q.A.C. Co-ordinator
Vinayak Vidnyan Mahavidyalaya
Nandgaon Kh.


Dr Alka A. Bhise
PRINCIPAL
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khan. Dist. Amravati

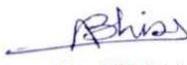
Feedback

S.N.	Name	Class	Did You know this art before this course?	Do you think this self-defense art will be useful to you in the future?	Are you satisfied with this course?
1	Anisha Deshmukh	B.Sc.-III	No	Yes	Yes
2	Mayuri Vaidya	B.Sc.-III	No	Yes	Yes
3	Kajal Pote	B. Com.-I	No	Yes	Yes
4	Nivedita Deshmukh	B.Sc.-II	No	Yes	Yes
5	Samiksha Jambhole	B.Sc.-II	No	Yes	Yes
6	Samiksha Sundarkar	B. Com.-I	No	Yes	Yes
7	Nikita Shendre	B. Com.-III	No	Yes	Yes
8	Anjali Sathe	B. Com.-III	No	Yes	Yes
9	Vaishnavi Jaiswal	B. Com.-III	No	Yes	Yes
10	Pallavi Jaiswal	B. Com.-III	No	Yes	Yes
11	Priya Hiwrale	B.Sc.-II	No	Yes	Yes
12	Pallavi Tarhekar	B. Com.-II	No	Yes	Yes
13	Surabhi Sahare	B.Sc.-I	No	Yes	Yes
14	Samiksha Deulakar	B.Sc.-I	No	Yes	Yes
15	Gitanjali Gudade	B.Sc.-II	No	Yes	Yes
16	Bhumeshwari Panzade	B. Com.-I	No	Yes	Yes
17	Bhumika Wankhade	B. Com.-II	No	Yes	Yes
18	Vaishali Gudade	B.Sc.-II	No	Yes	Yes
19	Kajal Pote	B. Com.-I	No	Yes	Yes
20	Yogini mate	B. Sc.-III	No	Yes	Yes
21	Isha Chandurkar	B. Com III	No	Yes	Yes
22	Sakshi Banarase	B. Sc. -II	No	Yes	Yes
23	Vaishnavi More	B. Sc. -III	No	Yes	Yes
24	Pooja Meshram	B. Com.-I	No	Yes	Yes
25	Bhavana Bagde	B. Com.-II	No	Yes	Yes
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27	Samiksha Lichade	B. Com.-I	No	Yes	Yes
28	Divya Gawande	B. Sc. -II	No	Yes	Yes
29	Komal Narode	B. Sc. -III	No	Yes	Yes
30	Vaishnavi Ghawat	B. Sc. -III	No	Yes	Yes


Dr. Priti Deshmukh
Coordinator


Mr. Anup Kakade
Trainer


Dr. Suchita Khodke
IQAC Coordinator


Dr. Alka Bhise
Principal

I.Q.A.C. Co-ordinator
Vinayak Vidnyan Mahavidyalaya
Nandgaon Kh.

PRINCIPAL
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Kh. Dist. Nanded



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Pravin Khodke Memorial Trust Amravati's
Vinayak Vidnyan Mahavidyalaya
Tq. Nandgaon Khandeshwar, Dist. Amravati
DEPARTMENT OF PHYSICS

**CERTIFICATE COURSE ON "SMART GRIDS AND SOLAR
ENERGY INTEGRATION"**

From 01/02/2024 to 15/02/2024

Dr. Prashant B. Kharat

Course Coordinator
Dr. PRASHANT B. KHARAT
Assistant Professor
Department of Physics
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khandeshwar, Amravati

Dr. Anant S. Wadtkar

Head, Department of Physics
Dr. Anant S. Wadtkar
Assistant Professor and Head
Department of Physics
Vinayak Vidnyan Mahavidyalaya
Nandgaon (Kh.), Dist. Amravati

Dr. Suchita P. Khodke

IQAC Coordinator
I.Q.A.C. Co-ordinator
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Kh.

Dr. Alka A. Bhise

Principal
PRINCIPAL
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khan, Dist. Amravati



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DEPARTMENT OF PHYSICS

Date: 10/01/2024

DEPARTMENTAL MEETING NOTICE

All the faculty members of the Department of Physics are hereby informed that a departmental meeting is scheduled on **12/01/2024 at 3:00 PM** in the Department of Physics, Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar, Dist. Amravati. The meeting will discuss the planning and execution of the **Certificate Course on "Smart Grids and Solar Energy Integration"**, scheduled to be conducted from **01/02/2024 to 15/02/2024**.

All faculty members are requested to attend the meeting.

Agenda of Meeting

1. To finalize the structure and content of the certificate course on "Smart Grids and Solar Energy Integration."
2. To appoint a course coordinator for the proposed certificate course.
3. To discuss the roles and responsibilities of faculty members, duration, and session schedules for the course.
4. To seek approval from the college authorities to conduct the proposed certificate course.

Faculty Members


Dr. Anant S. Wadtkar
Assistant Professor and Head
Department of Physics
Vinayak Vidnyan Mahavidyalaya
Nandgaon (Kh.), Dist. Amravati


Dr. Prashant B. Kharat
Assistant Professor
Department of Physics
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khandeshwar, Amravati


Mr. Ajay V. Ambhore
Asstt. Prof
Vinayak Vidnyan Mahavidyalaya
Nandgaon Kh. Dist. Amravati.


Head

Department of Physics
Dr. Anant S. Wadtkar
Assistant Professor and Head
Department of Physics
Vinayak Vidnyan Mahavidyalaya
Nandgaon (Kh.), Dist. Amravati



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Vinayak Vidnyan Mahavidyalaya
Tq. Nandgaon Khandeshwar, Dist. Amravati
DEPARTMENT OF PHYSICS

MINUTES OF MEETING

Date: 12/01/2024

Time: 3:00 PM

Venue: Department of Physics

Agenda:

1. To finalize the structure and content of the certificate course on "Smart Grids and Solar Energy Integration."
2. To appoint a course coordinator for the proposed certificate course.
3. To discuss the roles and responsibilities of faculty members, duration, and session schedules for the course.
4. To seek approval from the college authorities to conduct the proposed certificate course.

Members Present:

1. Dr. Anant S. Wadatkar
2. Dr. Prashant B. Kharat
3. Mr. Ajay V. Ambhore

Minutes:

1. Finalization of Course Content:

- The proposed certificate course on "Smart Grids and Solar Energy Integration" will cover topics including an introduction to smart grids, solar energy fundamentals, energy storage systems, grid integration, and case studies.
- A hands-on workshop or practical session will be incorporated into the schedule to enhance student engagement.

2. Appointment of Course Coordinator:

- Dr. Prashant B. Kharat was unanimously appointed as the course coordinator.

3. Faculty Roles and Responsibilities:

- The distribution of teaching sessions and responsibilities for course modules was discussed.
- Each faculty member agreed to prepare relevant teaching material and presentation slides.



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DEPARTMENT OF PHYSICS

- The tentative schedule was divided as follows:
 - **Dr. Anant S. Wadatkar:** Fundamentals of solar energy and grid integration.
 - **Dr. Prashant B. Kharat:** Advanced topics in smart grids and energy storage systems.
 - **Mr. Ajay V. Ambhore:** Hands-on workshop and case studies.

4. Approval from College Authorities:

- It was decided that the course coordinator, Dr. Prashant B. Kharat, would submit a formal proposal to the Principal for approval of the certificate course through Head, Department of Physics.

Decisions Taken:

- The certificate course will be conducted from **01/02/2024 to 15/02/2024** as scheduled.
- The finalized course content and schedule will be shared with all stakeholders after receiving approval from the college authorities.
- Marketing and student enrollment strategies will be discussed in a subsequent meeting.

The meeting concluded with a vote of thanks to all members.

Prepared by:

Dr. Prashant B. Kharat
Dr. PRASHANT B. KHARAT
Assistant Professor
Department of Physics
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khandeshwar, Amravati

Faculty Members

Dr. Anant S. Wadatkar
Dr. Anant S. Wadatkar
Assistant Professor and Head
Department of Physics
Vinayak Vidnyan Mahavidyalaya
Nandgaon (Kh.), Dist. Amravati

Dr. Prashant B. Kharat
Dr. PRASHANT B. KHARAT
Assistant Professor
Department of Physics
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khandeshwar, Amravati

Mr. Ajay V. Ambhore
Asstt. Prof
Vinayak Vidnyan Mahavidyalaya
Nandgaon Kh. Dist. Amravati.

Head
Dr. Anant S. Wadatkar
Assistant Professor and Head
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DEPARTMENT OF PHYSICS

Date: 15/01/2024

To,

The Principal,

Vinayak Vidnyan Mahavidyalaya,

Nandgaon Khandeshwar, Dist. Amravati

Through:

Head, Department of Physics, Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar

Copy to:

The IQAC Coordinator, Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar

Subject: Approval Request for Certificate Course on "Smart Grids and Solar Energy Integration"

Respected Madam,

The Department of Physics proposes a certificate course titled "**Smart Grids and Solar Energy Integration**" for the academic year 2023-2024, scheduled from **01/02/2024 to 15/02/2024**. The course aims to provide students with theoretical and practical knowledge of renewable energy systems, focusing on smart grids and solar energy integration.

Key Details:

- **Duration:** 15 Days
- **Faculty:** Dr. Anant S. Wadtkar, Dr. Prashant B. Kharat, Mr. Ajay V. Ambhore
- **Topics:** Smart grids, solar energy fundamentals, energy storage, grid integration, and case studies.

We kindly request your approval to proceed with this course. Upon approval, we will coordinate with IQAC and make the necessary arrangements.

Thank you for your consideration.

Yours sincerely,

permission
sanctioned
Physics
PRINCIPAL
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khan. Dist. Amravati

Dr. Prashant B. Kharat
Dr. PRASHANT B. KHARAT
Course Coordinator
Assistant Professor
Department of Physics
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khandeshwar, Amravati

Dr. Anant S. Wadtkar
Dr. Anant S. Wadtkar
Head, Department of Physics
Assistant Professor and Head
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DEPARTMENT OF PHYSICS

Date: 15/01/2024

NOTIFICATION

DEPARTMENT OF PHYSICS, Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar, Dist. Amravati

Conducting

CERTIFICATE COURSE ON "SMART GRIDS AND SOLAR ENERGY INTEGRATION"

From 01/02/2024 to 15/02/2024

Objective:

Learners who complete this certificate course will acquire essential knowledge and practical skills to understand and work in the field of renewable energy systems, focusing on smart grids and solar energy integration.

- ❖ Gain a fundamental understanding of smart grid technology and its applications.
- ❖ Learn the basics of solar energy and energy storage systems.
- ❖ Explore grid integration techniques and their challenges.
- ❖ Analyze case studies of successful renewable energy projects.

Eligibility:

12th Science, Diploma / B.Tech / B.E / ITI / B.Sc. in Physics, Electronics, Telecommunication, or Electrical.

Duration: 45 Hours (30 Hours Theory + 15 Hours Practical)

Outcome:

Upon completion of the course, participants will be able to:

- ❖ Understand the principles of smart grids and their role in energy management.



- ❖ Design and evaluate basic solar energy systems.
- ❖ Analyze and troubleshoot grid integration challenges.
- ❖ Assess and apply energy storage technologies effectively.

Registration & Course Fees: No Fees
Seats: 20 (Twenty) on First Come First Serve Basis

Course Duration: 01/02/2024 to 15/02/2024

Course Coordinator Contact Details:
Dr. Prashant B. Kharat - 9403750921
E-Mail: drpbkharat@gmail.com

Note: Limited seats are allotted on an FCFS basis. Please register for the course before 30/01/2024.


Dr. Prashant B. Kharat
Assistant Professor
Department of Physics
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khandeshwar, Amravati


Dr. Anant S. Wadatkar
Assistant Professor and Head
Department of Physics
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Dr. Alka A. Bhise
PRINCIPAL
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DEPARTMENT OF PHYSICS

Date: 15/01/2024

CERTIFICATE COURSE ON "SMART GRIDS AND SOLAR ENERGY INTEGRATION"

From 01/02/2024 to 15/02/2024

COURSE OUTCOMES

Upon successful completion of the **Certificate Course on Smart Grids and Solar Energy Integration**, participants will be able to:

- 1. Understand Smart Grid Technology:**
 - Comprehend the principles, components, and operation of smart grids, and recognize their role in modern energy distribution systems.
 - Identify the benefits and applications of smart grid technology in energy efficiency, cost reduction, and grid management.
- 2. Design and Implement Solar Energy Systems:**
 - Acquire the knowledge to design basic solar photovoltaic (PV) systems, understanding the key parameters involved in energy production and optimization.
 - Understand the integration of solar energy into existing grids, focusing on system compatibility and performance enhancement.
- 3. Evaluate Energy Storage Solutions:**
 - Gain insights into energy storage systems and technologies, including batteries and other storage methods that complement solar energy systems.
 - Evaluate the role of energy storage in grid stability, load management, and enhancing renewable energy usage.
- 4. Analyze Grid Integration Challenges:**
 - Understand and address challenges involved in integrating renewable energy sources, particularly solar, into conventional grids.
 - Learn methods for troubleshooting grid integration issues and ensuring efficient and seamless operation of integrated systems.
- 5. Apply Knowledge in Real-World Scenarios:**
 - Analyze case studies of successful renewable energy projects and draw practical lessons from real-world applications of smart grids and solar energy integration.
 - Develop problem-solving skills to address common challenges in the renewable energy sector.

By the end of the course, participants will have acquired the fundamental knowledge and practical skills necessary to understand, design, and work with smart grid and solar energy systems in the field of renewable energy.

Dr. Prashant B. Kharat
Dr. PRASHANT B. KHARAT
Assistant Professor
Department of Physics
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khandeshwar, Amravati

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Date: 15/01/2024

STUDENTS ENROLLMENT NOTICE

The Department of Physics invites students to enroll for the **Certificate Course on Smart Grids and Solar Energy Integration**, scheduled from **01/02/2024 to 15/02/2024**.

Eligibility: 12th Science, Diploma/B.Tech/B.E/ITI/B.Sc. in Physics, Electronics, Telecommunication, or Electrical.

Course Duration: 45 Hours (30 Hours Theory + 15 Hours Practical)

Seats: 20 (First Come First Serve)

Course Fees: No Fees

Registration Deadline: 30/01/2024

For registration and more details, contact: Dr. Prashant B. Kharat
Mobile: 9403750921

Email: drpbkharat@gmail.com

Limited seats available, register soon!

Dr. Prashant B. Kharat
Course Coordinator
Dr. PRASHANT B. KHARAT
Assistant Professor
Department of Physics
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khandeshwar, Amravati

Dr. Anant S. Wadtkar
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Date: 15/01/2024

CERTIFICATE COURSE ON "SMART GRIDS AND SOLAR ENERGY INTEGRATION"

From 01/02/2024 to 15/02/2024

COURSE SYLLABUS

Unit I: Introduction to Smart Grids and Renewable Energy : Smart Grids: Definition, components, AMI, communication systems, demand response, automated distribution. Renewable Energy Systems: Basics of solar and wind energy integration. Energy Management: Grid optimization, energy conservation, and loss reduction.

Unit II: Solar Energy Systems and Integration : Solar Energy: Fundamentals, photovoltaic systems, solar panels, and installation. Grid Integration: Overview, challenges, and storage solutions (batteries, flywheels, compressed air).

Unit III: Communication, Control, and Integration : Smart Grid Communication: Technologies (WiFi, Zigbee, PLC, RF). Grid Integration Techniques: Syncing solar power, load management, energy storage integration, smart inverters.

Unit IV: Practical Applications and Case Studies : Case Studies: Global projects in smart grids and solar integration. Hands-On Training: Solar PV installation, maintenance, troubleshooting, and EMS tools. Troubleshooting: Addressing issues in solar systems and grid communication.

Reference Books

1. "Smart Grid: Fundamentals of Design and Analysis" by James Momoh
2. "Renewable Energy: Power for a Sustainable Future" by Godfrey Boyle
3. "Solar Electricity Handbook: A Simple Guide to Solar Energy" by Michael Boxwell
4. "Energy Storage Systems: Operation and Control" by Li Li, Jin Li, and Xudong Wei
5. "Electric Power Systems: A Conceptual Introduction" by Alexandra von Meier
6. "Introduction to Smart Grids" by Clark W. Gellings
7. "Photovoltaic Systems" by James P. Dunlop
8. "Principles of Smart Grid Systems" by K. S. Suresh Kumar and S. R. K. Iyengar


Dr. Prashant B. Kharat
Dr. PRASHANT B. KHARAT
Assistant Professor
Course Co-ordinator
Department of Physics
Vinayak Vidnyan Mahavidyalaya,
Nandgaon, Khandeshwar, Amravati


Dr. Anant S. Wadatkar
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DEPARTMENT OF PHYSICS

Date: 15/01/2024

CERTIFICATE COURSE ON "SMART GRIDS AND SOLAR ENERGY INTEGRATION"

From 01/02/2024 to 15/02/2024

LIST OF PRACTICALS

1. **To understand smart grid components:** Demonstrate AMI, communication systems, sensors, and smart meters.
2. **To install and set up a solar PV system:** Install, wire, and test a small-scale solar PV system.
3. **To explore solar energy storage systems:** Connect solar panels to storage units and measure charge/discharge cycles.
4. **To integrate solar PV systems with the grid:** Sync solar systems with the grid using smart inverters and troubleshoot issues.
5. **To set up smart grid communication networks:** Establish networks (PLC, Zigbee, RF) for real-time monitoring and control.
6. **To simulate load management in smart grids:** Perform load management and demand response demonstrations.
7. **To use EMS software for energy management:** Manage energy flow, forecast loads, and optimize using EMS tools.
8. **To troubleshoot faults in solar PV systems:** Diagnose and fix issues in wiring, panels, and inverters.
9. **To test the performance of solar panels:** Measure solar panel efficiency under varying light conditions.
10. **To analyze case studies of smart grid and solar integration:** Review successful projects and discuss challenges and solutions.

Dr. Prashant B. Kharat
Dr. PRASHANT B. KHARAT
Assistant Professor
Department of Physics
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khandeshwar, Amravati

Dr. Anant S. Wadtkar
Dr. Anant S. Wadtkar
Assistant Professor and Head
Department of Physics
Vinayak Vidnyan Mahavidyalaya
Nandgaon (Kh.), Dist. Amravati

Dr. Alka A. Bhise
PRINCIPAL
Principal
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khan, Dist. Amravati



SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI AFFILIATED
Pravin Khodke Memorial Trust Amravati's
Vinayak Vidnyan Mahavidyalaya
 Tq. Nandgaon Khandeshwar, Dist. Amravati
DEPARTMENT OF PHYSICS

Date: 15/01/2024

CERTIFICATE COURSE ON "SMART GRIDS AND SOLAR ENERGY INTEGRATION"

From 01/02/2024 to 15/02/2024

TIME TABLE

Day	Date	Theory (08:00 AM - 10:00 AM)	Practical (10:00 AM - 11:00 AM)
Thursday	01/02/2024	Introduction to Smart Grids and Renewable Energy (Dr. Prashant B. Kharat)	Practical 1: Smart Grid Components (Dr. Prashant B. Kharat)
Friday	02/02/2024	Solar Energy Fundamentals (Dr. Prashant B. Kharat)	Practical 2: Solar PV Installation and Setup (Dr. Prashant B. Kharat)
Saturday	03/02/2024	Solar Grid-Connected Systems (Dr. Prashant B. Kharat)	Practical 3: Solar Energy Storage Systems (Dr. Prashant B. Kharat)
Sunday	04/02/2024	Week Off	Week Off
Monday	05/02/2024	Smart Grid Communication Systems (Dr. Prashant B. Kharat)	Practical 4: Grid Integration of Solar Systems (Dr. Prashant B. Kharat)
Tuesday	06/02/2024	Solar Inverters and Grid Integration (Mr. Ajay V. Ambhore)	Practical 5: Communication Networks (Mr. Ajay V. Ambhore)
Wednesday	07/02/2024	Solar Energy Storage Technologies (Mr. Ajay V. Ambhore)	Practical 6: Load Management in Smart Grids (Mr. Ajay V. Ambhore)
Thursday	08/02/2024	Power Distribution in Smart Grids (Mr. Ajay V. Ambhore)	Practical 7: EMS Software (Mr. Ajay V. Ambhore)
Friday	09/02/2024	Challenges and Future Trends in Smart Grids (Mr. Ajay V. Ambhore)	Practical 8: Troubleshooting Solar PV Systems (Mr. Ajay V. Ambhore)
Saturday	10/02/2024	Case Studies of Solar Integration Projects (Dr. Anant S. Wadatkar)	Practical 9: Solar Panel Performance Testing (Dr. Anant S. Wadatkar)
Sunday	11/02/2024	Week Off	Week Off
Monday	12/02/2024	Advanced Smart Grid Technologies (Dr. Anant S. Wadatkar)	Hands-on Solar Troubleshooting (Dr. Anant S. Wadatkar)
Tuesday	13/02/2024	Grid Stability and Solar Integration Issues (Dr. Anant S. Wadatkar)	Hands-on Load Balancing Simulation (Dr. Anant S. Wadatkar)
Wednesday	14/02/2024	Policy and Standards for Smart Grids (Dr. Anant S. Wadatkar)	Final Project: Design a Smart Grid (Dr. Anant S. Wadatkar)
Thursday	15/02/2024	Future of Smart Grids and Global Energy Transition (Dr. Anant S. Wadatkar)	Final Presentation and Wrap-up (Dr. Anant S. Wadatkar)


Dr. Prashant B. Kharat
Dr. PRASHANT B. KHARAT
 Assistant Professor
 Department of Physics
 Vinayak Vidnyan Mahavidyalaya,
 Nandgaon Khandeshwar, Amravati


Dr. Anant S. Wadatkar
Dr. Anant S. Wadatkar
 Assistant Professor and Head
 Department of Physics
 Vinayak Vidnyan Mahavidyalaya,
 Nandgaon (Kh.), Dist. Amravati


Dr. Alka A. Bhise
 PRINCIPAL
 Vinayak Vidnyan Mahavidyalaya,
 Nandgaon Khan, Dist. Amravati



Vinayak Vidnyan Mahavidyalaya Nandgaon Kh.

DEPARTMENT OF CHEMISTRY

ADD ON COURSE

WATER ANALYSIS

4 SEPT TO 21 SEPT 2023

DR. ALKA A. BHISE

PRINCIPAL

DR. KAVITA P. KAKADE

COORDINATOR

MR. NILESH S. PADOLE

CONVENER

DR. VINOD M. SHEREKAR

ORGANIZING COMMITTEE


Principal
Vinayak Vidnyan Mahavidyalaya
Nandgaon Khandeshwar, Dist. Amravati

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**Pravin Khodke Memorial Trust's
Vinayak Vidnyan Mahavidyalaya**
Tq. Nandgaon Khandeshwar, Dist. Amravati

Date 26.08.2023

To,
The Principal,
Vinayak Vidnyan Mahavidyalaya
Nandgaon Khandeshwar.

Subject: Seeking permission to conduct 15 Days (30 Hours) Add-on Course on "Water Analysis"

Applicant: Mr. Nilesh S. Padole, Head & Assistant Professor, department of chemistry

Respected madam,

As a part of university curriculum design and also give exposure to our students about the application of subject in the industrial field, department of chemistry has decided to conduct 15 Days (30 Hours) Add-on Course on "Water Analysis" from date 04/09/2023 to 21/09/2023. This Add-on course will help students to know about the Water quality parameters and their analysis

We kindly request to you please allow us to conduct this Add-on course programme.

Thanking you,

Date: 26.08.2023

Place: Nandgaon Kh.


Yours Sincerely
Mr. Nilesh S. Padole
Assistant Professor
Department of Chemistry


Principal
Vinayak Vidnyan Mahavidyalaya
Nandgaon Khandeshwar, Dist. Amravati



Pravin Khodke Memorial Trust's
Vinayak Vidnyan Mahavidyalaya
Tq. Nandgaon Khandeshwar, Dist. Amravati

Date 31.08.2023

Department of Chemistry

All the faculty members of department of chemistry are hereby informed that, department of chemistry is going to conduct 15 Days (30 Hours) add-on course on "Water Analysis" for the students of B.Sc. part III semester VI.

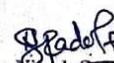
Agenda of meeting

1. To discuss about the designing of add-on course
 - To prepare and finalize schedule for add-on course.
 - To prepare all necessary documents for the add-on course.
 - Schedule and planning for inaugural ceremony.
 - Distribute topics among the faculty members for add-on course.
2. To convey the information of this add – on course to the student of B.Sc. part III sem VI.

All are requested to consider this notice and requested to present in the department of chemistry for meeting on date 31.08.2023

Dr. K. P. Kulkarni 

Dr. S. M. Shinde 


Mr. Nilesh S. Patole
Head
Department of Chemistry



Pravin Khodke Memorial Trust's
Vinayak Vidnyan Mahavidyalaya
Tq. Nandgaon Khandeshwar, Dist. Amravati

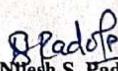
Date 1.09.2023

Department of Chemistry

The meeting was held in the department of chemistry on dated 31.08.2023 where following points were discussed.

Minutes of meeting:

1. Dr. Vinod M. Sherekar has taken the responsibility to circulate this message among the students of B.Sc. part III semester VI.
2. In discussion with all faculty members, schedule for add-on course were prepare and finalised. This course will be conducted between 04.09.2023 to 21.09.2023 excluding Sunday.
3. Dr. Kavita P. Kakade has taken responsibility to prepare all the documentations for the add-on course.
4. Mr. Nilesh S. Padole has taken the responsibility to arrange and organise opening inaugural function ceremony of add-on course.
5. With thorough discussion with all faculty members, distribution of topics took place accordingly where everyone agreed to the distribution of topic for add-on course.


Mr. Nilesh S. Padole
Head
Department of Chemistry



**Pravin Khodke Memorial Trust's
Vinayak Vidnyan Mahavidyalaya**
Tq. Nandgaon Khandeshwar, Dist. Amravati

Date 05.05.2022

Department of Chemistry

All students of Bachelor of Science IIIrd Year (CBZ and PCM) semester VI are hereby informed that, department of chemistry is going to conduct 15 Days (30 Hours) Add-on Course on "Water Analysis" from date 04/09/2023 to 21/09/2023.

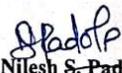
There are only 20 seats are available for the course and will be allotted as first come first preference basis.

Therefore interested candidates can give their name to below mention teacher on before 03/09/2023.

Coordinator - Dr.Kavita P.Kakade

Convener - Dr.Vinod M. Sherekar

Further detail regarding the course will be provided accordingly.


Mr. Nilesh S. Padole
Assistant Professor
Department of Chemistry



Pravin Khodke Memorial Trust's
Vinayak Vidnyan Mahavidyalaya
Tq. Nandgaon Khandeshwar, Dist. Amravati

Syllabus for Certificate Course Water Analysis

Sr.No	Introduction of Water
1	Introduction to chemistry of water
2	Physical and chemical properties of water
3	Resources of Water
4	Chemistry of water
5	Water as a universal solvent
6	Water quality parameters
7	PH,Alkalinity
8	Hardness of Water
9	Biological Oxygen Demand
10	Chemical Oxygen Demand
11	Exp-1: Estimation of Alkalinity of water from different water sample
12	Exp-2: Estimation of Hardness of water from different water sample
13	Exp-3: Determination of BOD of water from different water sample
14	Project report writing



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Tq. Nandgaon Khandeshwar, Dist. Amravati

Course Feedback Form

Course Title: Add-on course on Water Analysis
Mahavidyalaya Nandgaon Kh. Name of Department: Chemistry

Venue: Vinayak Vidnyan
Date: 21/09/2023

Name of Students: _____ Email id: _____

Please fill this feedback form to make this course better.

A. What did you think about the syllabus of this Add-on course?
1. Excellent 2. Good 3. Fair 4. Average

B. What did you think about the depth of topic covered in this Add-on course?
1. Excellent 2. Good 3. Fair 4. Average

C. Were objectives of the course clear to you?
1. Yes 2. No

D. The lecture sequence was well planned?
1. Strongly Agree 2. Agree 3. Disagree 4. Strongly Disagree

E. The lectures were clear and easy to understand?
1. Strongly Agree 2. Agree 3. Disagree 4. Strongly Disagree

F. Will you recommend this course to your colleague?
1. Yes 2. No

G. How did you rate the overall planning and execution of course?
1. Excellent 2. Good 3. Fair 4. Average

Please give any suggestion for improvement of the course in future.

Mobile number and Address

Thank You!!



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Pravin Khodke Memorial Trust's
Vinayak Vidnyan Mahavidyalaya
Tq. Nandgaon Khandeshwar, Dist. Amravati

Date 20.02.2020

Department of Chemistry

Activity Report

1. Name of activity: **Certificate course on "Water Analysis"**
2. Convener : **Mr. Nilesh S. Padole**, Assistant Professor, Department of Chemistry.
3. Coordinator : **Dr. Kavita P. Kakade**, Assistant Professor, Department of Chemistry.
4. Duration : **15 Days (30 Hours)**.
5. Participants : **B.Sc. part III semester VI students (2023-24)**.
6. Total seats : **30 (Twenty) only**.
7. Mode : **Offline**.

Certificate Course Schedule:

Sr. No	Date	Time	Session	Speaker
1	04/09/2023	09.30-0945 AM	Inauguration	Dr.Alka A.Bhise
2	05/09/2023	09.45-10.00 AM	Introduction of Water	Mr.Nilesh S Padole
3	06/09/2023	10.00-11.30AM	Introduction to chemistry of water	Mr.Nilesh S Padole
4	07/09/2023	9.30-11.30AM	Physical and chemical properties of water	Mr.Nilesh S Padole
5	08/09/2023	9.30-11.30AM	Resources of Water	Mr.Nilesh S Padole

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6	09/09/2023	9.30-11.30AM	Water treatment	Mr.Nilesh S Padole
7	11/09/2023	9.30-11.30AM	Water as a universal solvent	Dr.Kavita P.Kakade
8	12/09/2023	9.30-11.30AM	Water quality parameters	Dr.Kavita P.Kakade
9	13/09/2023	9.30-11.30AM	PH,Alkalinity	Dr.Kavita P.Kakade
10	14/09/2023	9.30-11.30AM	Hardness of Water	Dr.Kavita P.Kakade
11	15/09/2023	9.30-11.30AM	Biological Oxygen Demand	Dr.Kavita P.Kakade
12	16/09/2023	9.30-11.30AM	Chemical Oxygen Demand	Dr.Kavita P.Kakade
13	18/09/2023	9.30-11.30AM	Exp-1: Estimation of Alkalinity of water from different water sample	Dr.Vinod M.Sherekar
14	19/09/2023	9.30-11.30AM	Exp-2: Estimation of Hardness of water from different water sample	Dr.Vinod M.Sherekar

15	20/09/2023	9.30-11.30AM	Exp-3: Determination of BOD of water from different water sample	Dr.Vinod M.Shrekar
16	21/09/2023	9.30-11.30AM	Project report writing	Dr.Vinod M.Shrekar

Program Information:

As a part of co-curricular activity designed by the Sant Gadge Baba Amravati University, Amravati, Department of Chemistry, Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar had conducted 15 Days (30 Hours) certificate course on “Water Analysis”. The course was conducted from **04 SEPT 2023 to 21 SEPT 2023**. The time schedule for the course was from 9.30AM to 11.30AM.

Inauguration ceremony of certificate course was held on dated **04 SEPT 2023** by the hands of Respected Dr. Alka A. Bhise, Principal, Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar. Mr. Nilesh S Padole, Assistant Professor was the Convener of this course and Dr. Kavita P. Kakade, Assistant Professor was the coordinator for this course.

The main outcomes of this certificate course were

1. Students were able to check the water quality parameters.
2. Able to recommend the amount of dissolved oxygen in water .
3. Able to check the potability of water.

The resource person for this course work were

1. Mr. Nilesh S. Padole, Assistant Professor, Department of Chemistry
2. Dr. Kavita P. Kakade, Assistant Professor, Department of Chemistry
3. Dr. Vinod M. Shrekar, Assistant Professor, Department of Chemistry.

In first week of certificate course work **Mr. Nilesh S. Padole** had explained to students about Introduction of chemistry of water, physical and chemical property of water, resource of water.

In second week of certificate course Dr. Kavita P. Kakade had explained to students about different water quality parameters like DO, BOD, TDS, Alkalinity, Acidity, PH, Hardness

In third week of certificate course Dr. Vinod M. Shrekar had explained about the sample collection and store, instrument study and their importance, laboratory set-up and water test report.

After completion of the course students were very much satisfied about the certificate course and the practical knowledge they got from the course. They had shown good compatibility with content of the course work. They also show positive intent for such a activity in future also. After completion of this certificate course participant students were awarded with certificate.



Pravin Khodke Memorial Trust, Amravati

Vinayak Vidnyan Mahavidyalaya
Nandgaon Khandeshwar
Dist. Amravati

Department of Commerce
Organizes

**Certificate Course in Advanced Content of
Digital Marketing**



22.01.2024 to 27.02.2024

Convener

Dr. Dasharath Vasant Kale

Assistant Professor

Department of Commerce

Vinayak Vidnyan Mahavidyalaya Nandgaon Khandeshwar Dist. Amravati



About Certificate course

The aim of the Advanced Content of Digital Marketing Course is to provide students with the knowledge about business advantages of the digital marketing and its importance for marketing success. Content marketing is customer relationship processes that requires unique and well-crafted content. With advanced content marketing, you go beyond the basics in an effort to reach your goals and help your content reach its intended audience.

Objectives of course

- ❑ This course trains participants to create compelling marketing content.
- ❑ This includes the key strategies needed to develop and enhance an effective content marketing strategy.
- ❑ To focus on digital marketing procedures and best practices
- ❑ To help deliver your product to the desired customers
- ❑ To learn various marketing strategy for product enrichment
- **Duration of the course** : 30 hrs.
- **Assessment procedure**
- **Eligibility for appearing at examination** : Students should keep terms with at least 75% attendance.
- **Types of examination** : The examination of the course will be of multiple choice question 50 marks each question has two (02) marks. All the modules of Curriculum were given equal weightage.
- **Passing criteria** : Students shall have to obtain minimum 40% marks.
- **Registration** : Free of cost
- **The Course timing will be from 10.00 am to 11.00 am**
- **Attendance for all the session is mandatory**
- **On successful completion of the course, an E-Certificate will be issued.**

Contents

Sr no	Particulars	Total period
01	Introduction, Meaning and definition, objectives, importance of marketing, core concept in marketing.	3 hrs
02	Basic concept of digital marketing, Meaning and definition, objectives, importance, role in business of digital marketing.	3 hrs
03	E-Content Marketing, Use of Canva for Poster Designing	3 hrs
04	Instagram Ads, Facebook live stream, Creating Facebook Ads	3 hrs
05	Online banner advertising, Smartphone & Mobile marketing learning	3 hrs
06	Google sites, Video sharing marketing, Social Media Marketing	3 hrs
07	Creating business accounts on YouTube, YouTube Advertising	3 hrs
08	Image Marketing, Event Marketing, B2B Marketing	3 hrs
09	Twitter, Digital and Cyber Marketing	3 hrs
10	Whats App Business, Telegram, E-mail marketing	3 hrs
Total		30 hrs

Organizing Committee

Dr. P.N. Tayde
HOD
Assistant Professor

Dr. Yogesh Gawali
Assistant Professor

Mr. Nishant Jaiswal
Assistant Professor

Date: 16/01/2024

To,
The Principal,
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khandeshwar, Dist. Amravati.

Subject: Proposal for Certificate Course on Advance Content of Digital Marketing

Respected Madam,

The department of Commerce is proposing to run the Online Certificate Course in Advance Content of Digital Marketing. Duration of Certificate Course is 30 hours from 22.01.2024 to 27.02.2024 and Course timing is from 10.00 am to 11.00 am. This course will be conducted through offline mode.

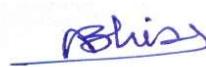
You are requested to permit the proposal and grant the permission to introduce such Certificate Course of immense relevance.

Thanking you.



Convener

Dr. Dashrath V. Kale
Assistant Professor
Dept of Commerce & Management
Vinayak Vidnyan Mahavidyalaya
Nandgaon (Kh.), Dist. Amravati



PRINCIPAL
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khan. Dist. Amravati

Enclosure:

1. Syllabus Contents
2. Course Scheduled

Notice

Date: 16/01/2024

All students of B.com III year are hereby informed that, Department of Commerce is organizing a **Certificate Course in Advanced Content of Digital Marketing**. Duration of Certificate Course is 30 hours from 22.01.2024 to 27.02.2024 and Course timing is from 10.00 am to 11.00 am. This course will be conducted through online mode. Students should register for the course before **21/01/2024**.



Convener

Dr. Dashrath V. Kali
Assistant Professor
Dept. of Commerce & Manager
Vinayak Vidnyan Mahavidyalaya
Nandgaon (Kh.), Dist. Amravati



Principal

PRINCIPAL
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khan. Dist. Amravati



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Report on Certificate Course in Advanced Content of Digital Marketing

Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar Dist Amravati, Department of Commerce organized a **Certificate Course in Advanced Content of Digital Marketing**. This certificate course was conducted on dated 1 to 10 August 2020. The Course timing was from 10.00 am to 11.00 am every day. Duration of the course was 30 hrs. Assessment procedure was Multiple Choice Questions Test (50 marks) as well as Registration Free of cost. In this course total 30 students were registered. They were had been given exam of the certificate course. This course was three sessions every day and every topic was covered fully. The aim of the course was to learn how to do online marketing using new technology in today's age of competition.

Our college Principal Dr. Alka A. Bhise delivered inaugural speech of this the certificate course. Dr Suchita khodke coordinator of IQAC had described value and importance of the certificate course. This course was based on all aspects of digital marketing such as search engine optimization, online advertising, Facebook, YouTube, Twitter, content marketing and more. It is stated in the course how to develop original posters related to marketing purpose and how to design different pieces of content marketing copy to suit your specific target audience. It was really splendid presentation all the participated students got appreciated and benefited from your views on the concerned subject.

For this course, all the assistant professors from the Commerce Department and assistant professors from different colleges provided recorded videos lectures on various topics for the certificate course. Attendance for all the session was mandatory through feedback form every day. On successful completion of the course, E-Certificates were issued to all passed students.

Dr. Dasharath Vasant Kale has convener of the certificate course. The response from students for this course was unprecedented. All students gave time for this course. Despite some

network problems, technical difficulties, etc., the students completed the course. All the students showed a passion for learning and a passion.



Convener

Dr. Dashrath V. Kale
Assistant Professor
Dept of Commerce & Management
Vinayak Vidnyan Mahavidyalaya
Nandgaon (Kh.), Dist. Amravati

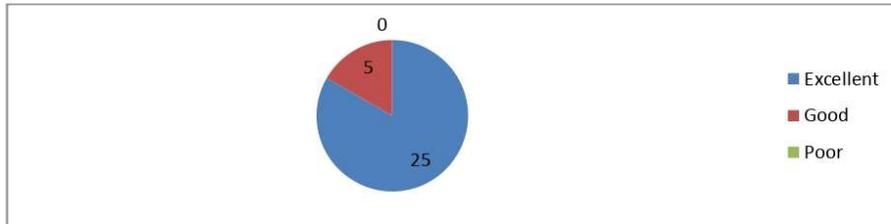
Certificate Course in Advanced Content of Digital Marketing Result sheet 2023-24

Sr. No	Name of students	Class	Marks
1	Arati Padmakar Divate	B.Com -III	44
2	Arpita Subhash Raut	B.Com -III	44
3	Ashvini Mahadevrao Ghawade	B.Com -III	42
4	Bhashkar Damodar Kanode	B.Com -III	46
5	Deep Gajananrao Gorde	B.Com -III	46
6	Diksha Gautam Gondane	B.Com -III	44
7	Dipali Dipak Shukla	B.Com -III	42
8	Dipesh Rameshwar Dhawale	B.Com -III	46
9	Divya Shivdas Sayam	B.Com -III	46
10	Isha Gajanan Chandurkar	B.Com -III	44
11	Kajal Arvind Ganvir	B.Com -III	42
12	Kajal Mulchand Raut	B.Com -III	42
13	Kapil Ravindra More	B.Com -III	42
14	Kashmirsingh Krupalsingh Jadhav	B.Com -III	44
15	Komal Sunil Amale	B.Com -III	38
16	Manjushri Sharadrao Tayade	B.Com -III	38
17	Nandini Suresh Dhenge	B.Com -III	42
18	Nayna Nitinrao Kene	B.Com -III	38
19	Nikita Pralhadrao Nemade	B.Com -III	44
20	Nikita Vinodrao Joge	B.Com -III	42
21	Pallavi Dilip Jayaswal	B.Com -III	44
22	Pallavi Pandurang Bawane	B.Com -III	42
23	Pawan Prakash Warthi	B.Com -III	42
24	Arati Padmakar Divate	B.Com -III	44
25	Arpita Subhash Raut	B.Com -III	38
26	Sushmita Gopal Sabale	B.Com -III	38
27	Tanu Pandurangji Kakade	B.Com -III	42
28	Tanuja Bharat Devtale	B.Com -III	38
29	Tejasvini Gopal Sahare	B.Com -III	42
30	Tejaswini Sudhakar Tihile	B.Com -III	42

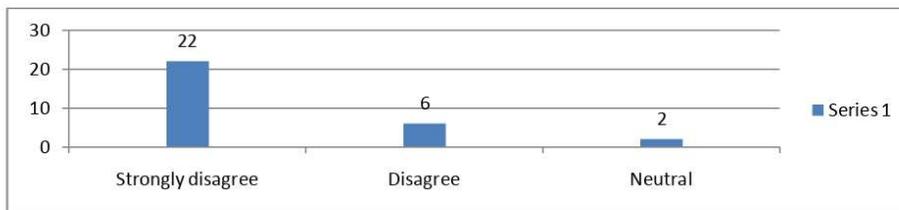
Report on Certificate Course in Advanced Content of Digital Marketing

Feedback Report

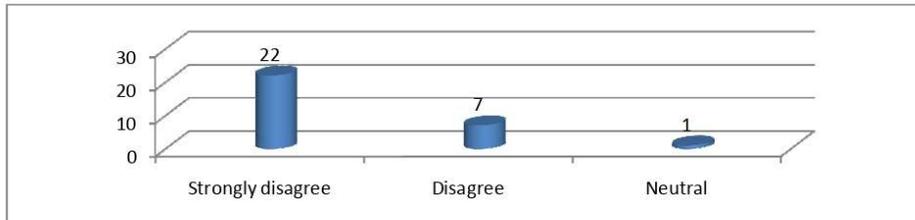
Overall Impression of the course with reference to organizers



Topics covered in the course



The objectives of the course were clearly defined



Are you satisfied with Certificate Course?

