### Department of Music Nistarini College Purulia

Dated the 08th April, 2023

Sub: - Additional data on add-on course

- 1. Name of the course:- Add on course on Dance
- 2. Title of the course:- Add on course on Dance
- 3. Name of the Coordinator: Dr Suparna Chatterjee, Music Department
- 4. Duration 1. From July 2018 to June 2019, & 2. From January 2019 to December 2019
- 5. Class taking time (at least 30 hours must be covered) Theory 20 hrs + Practical 20 hours , Total 40 hours each
- 6. Online/off-line:- Off-line classes
- 7. Outcome: Making students skilled in the fields creative art through music and dance and opt for alternative career paths along with core subject skills.

Suporna Chatterjee

Dr Suparna Chatterjee Course Co Coordinator Nistarini College, Purulia

### Report on Add-on Course on Medicinal and Aromatic Plant Cultivation

Session: 2020-21, for 2<sup>nd</sup> Semester, all classes Virtual Mode

As Google-Meet provided only 100 participants, so all classes have four numbers of Four Groups as per serial number of admission of the courses.

Name of the Course: Medicinal and Aromatic Plant Cultivation

Title of the Course: Certificate Course on Medicinal and Aromatic Plant Cultivation

Name of the Coordinator: Mr.Priyabrata Mukherjee, Dr.N.D.Sannigrahi(HoD Dept. Of

Botany, Nistarini College)

Duration: 03 Months (30 h. Including Practical)

Resource Person: Mr. Priyabrata Mukherjee and

Students Attended: 383 Students.

Party 10/08/21

Outcome: Outcome: 30 hours training and workshop has been done by Mr.Priyabrata Mukherjee, other resource person Dr.N.D.Sannigrahi(HoD Dept. Of Botany, Nistarini College) through online. Students can implement this training in their future life and they can earn as Entrepreneurs. Cultivation and conservation of local as well as endemic species give priority during training. Practical classes and field exposures included in this curriculum. This course make both income generation and conservation of endangered species including utilization of wate land in our district.

### Report on Add-on Course on Social Entrepreneurship

Session: 2020-21, for 5th Semester, all classes Virtual Mode

As Google-Meet provided only 100 participants, so all classes have four numbers of Four Groups as per serial number of admission of the courses.

Name of the Course: Social Entrepreneurship

Title of the Course: Certificate Course on Social Entrepreneurship

Name of the Coordinator: Mr.Priyabrata Mukherjee, Dr.Sudhir Joshi (Society of

Sustainable Bridge) and Mrs.MeghaKapadia (Give Fund Foundation) and

Duration: 03 Months (30 h. Including Practical)

Resource Person: Mr. Priyabrata Mukherjee and

Popular 23/12/20

Students Attended: 445 Students.

Outcome: Outcome: 30 hours training and workshop has been done by Mr.Priyabrata Mukherjee, other resource person Dr.Sudhir Joshi (Society of Sustainable Bridge) and Mrs.MeghaKapadia (Give Fund Foundation) through offline and online blended mode. Students can implement this training in their future life and they can earn as Entrepreneurs. Industrial and Banking Exposures also included.

### Add - on Course Short term course on Heritage and Tourism

Name of the Course

Add -on Course

Title of the Course Heritage and Tourism, organized by History Department, N College, Purulia

Name of the Co-ordinator

:- Janardan Gorai

Who are eligible

:- This programme was offered all of 2nd,4th, 6th Sem. Student, Session 2020-21

Total Participant Mode

57 student. Online Free

Course fee ' Duration of the Course

Jan - Jun 2021, Total 30 hours. - Sunday from 0930am to 1130 am.

Day and Time Exam Pattern Course Outcome

> 50 Marks, short type question.

:- After completing the course the student in excess known about Indian heritage. The topics encourage the students. The Sculpture and monuments of India are very important heritage of student.

Co-Ordinator

Fanardan Fonai

An Add-on Course on Ecotourism was organized by the Department of Environmental Science. Mr. Priyabrata Mukherjee was the Course coordinator. The course was held from January, 2022 to June, 2022 (32 hours). Online Classes were allotted on every Saturday. Few classes were taken from 3 pm -4 pm and few were taken from 3 pm -5 pm. Total 32 students from Semester II were participated in this course. Participants got a brief idea about ecotourism; economic benefits and impacts of ecotourism; Management of Ecotourism; Ecotourism potentiality in India and recent trends in ecotourism. All these knowledge help them to build up their career.

Jognyman

PRIYABRATA MUKHERJEE

(COURSE -COORDINATOR)

DR INDRANI DEB (PRINCIPAL)

### Nistarini College Dept. of Geography

### **Summary Sheet of Add-on Course**

SL No.	Title	Description
1	Name of the Course	Add-on Course
2	Title of the course	'Basic Introduction to Geo-informatics: Concept of Remote Sensing-GIS and Applications'
3	Name of the Coordinators	Tusar Kanti Hembram, Assistant Professor, Dept. of Geography Bikash Dutta, Assistant Professor, Dept. of Geography
4	Duration	From 14th March, 2022 to 30th April, 2022
5	Class taking time	34 hours class + 6 hours evaluation [Total = 40 hours] One class: 2 hour Three classes per week
6	Mode of class	Off-line
7	The state of the s	

Signature of the coordinator/coordinators

Tuson kouli Herbourn Bikash Dutta

### Add-On Course Short Term Course on Library Management A Report

Name of the course- Add -On Course

Title of the course- Short Term Course on Library Management

Organized by - Central Library, Nistarini College, Purulia.

Name of the coordinator- Mousumi Mahato

Who are eligible- This program was offered of all disciplines of 2<sup>nd</sup> Semester and 4<sup>th</sup> Semester

Student (session 2021-22)

**Total Participants- 200** 

Mode - Off-line mode.

Course fee- Free

Duration- The duration of the course was February - June 2022 total 30 hours.

Day and time- Tuesday, Wednesday and Thursday, from 9.00 a.m.to 10.00 a.m.

**Exam Pattern-** After completing the syllabus an exam (theory) of 30 marks is taken along with practical work of 20 marks.

Course Outcome- After completing the course student was learned the basic knowledge about library management, for example some basic idea about how collect, organized, maintain and provide information service to the library user. They also have some basic idea about e-resources, OPAC and their search methodology. And also this course will give a basic idea to those who want to study library science in future.

Mousumi Mahato

Unahato

Coordinator

## Add-on Course Summary Sheet Department of Zoology

- 1. Name of the course: Silk Farming
- 2. Title of the course: Silk Farming
- 3. Name of the Coordinator: Animesh Mandal
- 4. Duration: From January 2022 to June 2022
- 5. Class taking time: 32 hrs
- 6. Mode of class: Offline
- 7. **Course outcome**: On completion of this course, students will be able to understand overall aspects of sericulture, namely, mulberry and non-mulberry silkworms and their food plants, rearing of silkworms, silkworm pathology and silk technology.

Animerh Mandal

**Signature of Coordinator** 

#### **Nutrition Department**

#### Nistarini College, PURULIA

#### **ADD-ON Course summary**

- 1. Name of the course Food processing and preservation
- 2. Course Title Food processing and preservation with special emphasis to the application in bakery and confectionery products.
- 3. Name of Course Coordinator- Dipak Kumar Majhi
- 4. Duration of the course 18th April 2022 28th April 2022
- 5. Class taking time -

Dates	Theory	Practical	T.A.
18.4 .22 – 23.4.22	90 minutes ×6 = 9 Hours	2hours ×6 = 12 hours	
25.4 22- 28.4.22	90 minute × 3 + 1 hour =5.5 hours	2 hous ×4 = 8 hours	3
Assessment 6.5 22	2 hours		laness( Sauce)

Total class hours = 36.5 hours

- 6. Online / Offline mode OFFLINE
- Course Outcome Students are enabled to determine appropriate methods of processing techniques of chosen foodstuff. They acquired knowledge in legal, environmental and quality aspects associated to confectionery industry.

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### ADD ON COURSE

Short term course on Museum and conservation

Name of the course:-ADD ON COURSE

Title of the course:- Museum and conservation

Organized by:- Department of History, Nistarini college Purulia

Name of the coordinator:-Mr Samir DAS

Who are eligible:- This program was offered of all of 2<sup>nd</sup>, 4<sup>th</sup> and 6<sup>th</sup> semester students.

Total participants:-41

Mode:- Offline

Course fee:- Free of cost

Duration:- The duration of the course was January to june 2022 total 30 hours.

Day and time:- Saturday from 8.30 AM to 10.30 am

Examination pattern:- After completing the syllabus an exam of 50 marks(2x25=50) is taken.

Course outcome:- This program offers a girls eye view about the objectives, structures types and its relevance is the context of the preservations of history artifacts related to museum. It also offers introductory ideas about the knowledge of local, State and National museum.

Samir Sas. 04/07/22 COORDINATOR

# NISTARINI COLLEGE, PURULIA DEPARTMENT OF SANSKRIT ADD ON COURSE SPOKEN SANSKRIT TEN DAYS COURSE

### COURSE OBJECTIVE

The main goal of this course is to help students overcome their fear of the Sanskrit language. To arouse students' interest in the subject of Sanskrit. There is no escaping the fact that we are in the midst of a recession. To improve students' ability to speak pure and clear Sanskrit. Students' knowledge of the Sanskrit language should be improved. To impart a little knowledge of Sanskrit grammar among the students. To encourage the growth of the students' creative and imaginative abilities. Students' vocabulary in Sanskrit should be extended. To develop individual students' ability of expression. To improve students' Sanskrit language skills.

#### COURSE OUTCOME

Students' fear of the Sanskrit language is gone. Students become interested in the Sanskrit language. students' listening abilities are improved. Students ability to speak clean and clear in Sanskrit. The students' knowledge of the Sanskrit language grows.. The vocabulary of students in Sanskrit grows. Pupils' creativity and imagination abilities improve. Individual expression of the student is cultivated. Students' Sanskrit language skills improve. Although this is a spoken Sanskrit course, pupils are taught to write and speak in Sanskrit and they can make words in Sanskrit.

As per the results 100% of the students have passed out with high score which implies that the students have learnt. In our assessment, the department has achieved 100% of the program Outcome and hopes that the students will be able to use their knowledge in their further studies.

### Dept.of Bengali

Report of Add on course:

Titled \_" Transformation from Man bhumi Dialect to Standard Bengali Language" conducted by the Dept.of Bengali during July 2020 to

Dec.2020.

During this period we had completed the above mentioning Add on course successfully.

The number of enrolled students were 222.

We had framed the syllabus of 30 hours duration and classes were taken in online mode.

The average percentage of attendance of the students in online classes was 80 - 85%.

Finally after completion of the syllabus, we had evaluated the students attended the courses and certificates were distributed.

The purpose of our Add on course was to guide the students to make comfortable to read write and speak in correct and standard Bengali language, so that they can enrich themselves further and overcome their barriers in future.

Chirashri Sarkar

Dept.of Bengali, course Co - ordinator.

cliposhi Sarvar

## DEPARTMENT OF SANSKRIT ADD-ON COURSE

### COMMUNICATIVE SANSKRIT CERTIFICATE COURSE COURSE OBJECTIVE AND OUTCOME

### **COURSE OBJECTIVE**

In this course our main objective is removing the fear of Sanskrit language among the students. To develop interest in Sanskrit subject among the students. To Improve students' listening skills. To improve students' ability to speak pure and clear Sanskrit language. To increase knowledge of Sanskrit language among students. To impart a little knowledge of Sanskrit grammar among the students. To develop student's creative power and imaginative power. To increase Sanskrit vocabulary among students. To develop students' ability of individual expression. To improve students' Sanskrit language skills.

### **COURSE OUTCOME**

Students' fear of Sanskrit language is removed. Students develop interest in Sanskrit language. Student's listening skills are enhanced. Student's ability to speak pure and clear Sanskrit language increases. Student's knowledge of Sanskrit language increases. Student's knowledge of Sanskrit grammar. Students' Sanskrit vocabulary increases. Students' creativity and imagination power increases. Student's individual expression is developed. Students' Sanskrit

### Report on Add-on Course titled "Communicative English" conducted by the Department of English during October to December 2021

We, Krishnapada Mandal and Indrajit Mukherjee, the Coordinators of the course "Communicative English", conducted an Add-on Course titled "Communicative English" held from 09.10.2021 to 18.12.2021 through online mode for the students of Semester III (Program). In the course "Communicative English", 307 students were enrolled. The classes were taken from 5.00 p.m. to 7.00 p.m. by Krishnapada Mandal and Indrajit Mukherjee. The course was of 30 hours, chiefly looking upon it as an effective way of equipping pupil with four basic skills of the language acquisition in the form of listening, speaking, reading and writing.

The course introduced the basic tenets of grammar, phonetics and vocabulary to enable students to have sound background to learn the English language in an effective manner. The course informed the students about various types of communicative skills and their advantages today. It enabled them to appreciate the role of the English language in modern times and prepare an action plan to learn the language skills in the light of the guidance provided in this add-on course. It also helped them practice the skills rather than being dependent only on theoretical knowledge.

Signature of the Coordinators

## DEPARTMENT OF SANSKRIT ADD-ON COURSE

### COURSE OBJECTIVE AND OUTCOME

### **COURSE OBJECTIVE**

In this course our main objective is removing the fear of Sanskrit language among the students. To develop interest in Sanskrit subject among the students. To Improve students' listening skills. To improve students' ability to speak pure and clear Sanskrit language. To increase knowledge of Sanskrit language among students. To impart a little knowledge of Sanskrit grammar among the students. To develop student's creative power and imaginative power. To increase Sanskrit vocabulary among students. To develop students' ability of individual expression. To improve students' Sanskrit language skills.

### **COURSE OUTCOME**

Students' fear of Sanskrit language is removed. Students develop interest in Sanskrit language. Student's listening skills are enhanced. Student's ability to speak pure and clear Sanskrit language increases. Student's knowledge of Sanskrit language increases. Student's knowledge of Sanskrit grammar. Students' Sanskrit vocabulary increases. Students' creativity and imagination power increases. Student's individual expression is developed. Students' Sanskrit

### Report on Add-on Course titled "Yoga and Meditation" conducted by the Department of Physical Education during June 2019

I, Pasupati Mahato, the Coordinator of the course "Yoga and Meditation", conducted an Add-on Course titled "Yoga and Meditation" held from 10/06/2019 to 21/06/2019 through offline mode for the students of Semester II and IV (Program). The classes were conducted everyday from 7 a.m. to 10 a.m. by Pasupati Mahato himself, and two hundred students were enrolled. This course was assisted by Noton Chell, Biva Singh, Shipra Mahato, and Priyabrata Mukherjee of NSS Unit of Nistarini College. The course was of 30 hours to train attention and awareness, and achieve a mentally clear and emotionally calm and stable state amid the hustle and bustle of life.

This add-on course made the students aware of the significance of good health and helped them practice mental hygiene. Therefore, it possessed emotional stability as well as integrated moral values among pupils in order to confront several challenges in real life scenario.

Pasupati Mahat

Signature of the Coordinator

Name of the Course: Gender & Biology

Date of Commencement: 02.04.2022

**No. of the Participants**: 500

Name of the Coordinator: Prof. Nandadulal Sannigrahi

### **Objectives & Outcomes of the Course:**

The gender issue is the most important issues of the modern days due to the stigmatization of the women in the different spheres of life even after the independence of 75 years in the Indian democracy. The women's have been stigmatized since the time immemorial and their voice has been suppressed for a long time. In order to bring the women in the main stream of the society and to give them opportunity in almost all the spheres of the socio-economic life, the course has been designed for the girls of our college.

With this course, the students got the exposure of the different attributes of the society. They have learned a lesson of the equal opportunities in all the spheres of life. They have learnt their biological superiority as well as their power and privilege in the society. With this exposure, they can dream to be the half of the sky and can join hands in the every spheres of life irrespective of the domain.

Principal

Principal
Nistarini College Purulia

### Report on Memorandum Of Understanding between Nistarini College, Purulia and Susunia Adventure Academy, dated 06.06.2022

A memorandum of understanding (MOU) was done between Nistarini College, Purulia and Susunia Adventure Academy (Reg No. S/12/2847 OF 2012-13 WB Act XXVI of 1961) on dated 06.06.2022. On the basis of this MOU, an Add-on course titled "Different Adventures and Fitness Activities" was conducted in association with Susunia Adventure Academy from 25/06/2022 to 28/06/2022 through offline mode for 30 hours taking fifty three students of Semester II and IV (Program Course). Classes were conducted everyday from 5:30 a.m. to 10:00 p.m. at Jaychandi Pahar, Purulia. and fifty-three students were enrolled. Pasupati Mahato was coordinated the course and Rajesh Malakar, Anup Bauri, Lakshmi Tudu, and Shipra Mahato were assisted the course. The course provided the information on Adventure Sports, Adventure research and educational programs.

This course provided information on teaching, learning material and other literature relevant to their educational and research programs. It prepared students for higher education and research by employing training and education facilities in specific cases for a limited period. Therefore, it promoted the necessity of all round development of human body in life.

Pasupater Malat 05/07/22

Signature of the Coordinator

Report on Add on course titled—"Skill development of using Bengali software on computer", conducted by the Department of Bengali during the period of 05.01.2021 to 30.06.2021.

During the the mentioned period, we have completed the above mentioned add on course successfully. No. of enrolled students were 112. Classes were taken in dual mode (online and offline).

Avarage attendance of the students were 80-85%.

### Outcome of the course:-

By the course, most of the students have learnt how to use Bengali software in desktop as well as in laptop. They have learnt Bengali typing, folder and file making, e-mailing, inserting pictures, table diagrams and e-signature.

Course Co-Ordinator

principal

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**Assistant Co-Ordinator** 

### **Department of Economics**

### Nistarini College, Purulia

### Summary Sheet of the Add on Courses of the Department

Name of the Course: Certificate Course

Title of the Course: Estimation with E-views and STATA Softwares (ECONMRM1)

Name of the Coordinator: Mr. Ashis Kr. Mukherjee

**Duration:** The course was conducted in the second half of the academic year of July 2020 – June 2021 between January 2021 to June 2021.

*Class Taking Time:* Classes were taken online though Google meet during 7:00 pm to 9:00 pm on Saturdays and Sundays.

**Outcome:** Participants have achieved confidence in running statistical programme using E-views and STATA and become confident in computing econometric regression equation and analyzing the results. It helped them in scoring good marks in their semester examinations.

Ashin Kro. Mulcherjee

Signature of the coordinator

### **Summary of Add-on Course**

### **Department of Physics**

Name of the Add-On Course: Introduction to Web Server, Web Design and Blogging

**Duration of the Course**: January 2022 to June 2022

Coordinator: Soumitra Mahato

**Department: Physics** 

Number of Student enrolled: 29

Number of Student completed: 29

Class Taking Time: 33 Hours

Mode of Class: Offline

**Course Outcome**: At the end of the course, students developed basic knowledge of working of Web server. Students shall also be able to create their own blogging websites and publish their own idea/knowledge over the internet.

Sounitra Wahato 30/19/22.

### Summary Sheet for the Add-on course "Computer for Beginners"

### **Department of Computer Science**

Session: January 2022 to June 2022

1. Name of the Course

: Computer for Beginners

2. Title of the Course

: Computer for Beginners (CS-0001)

3. Name of the Coordinator: Dibyendu Mahato

4. Duration from

: February 2022 to June 2022

5. Class Taken Time

: 30 Hours.

6. Class Taken

: Off-line mode.

### 7. Objective of the Course:

- Identify the Component of a computer system.
- Recognize the different types of computer.
- Distinguished the main software types and hardware
- Understand the purpose and elements of information system.
- Understand how computer communicate.

#### 8. Outcomes:

- Participants identify the peripheral device outside the computer.
- Identify the hardware components of a computer.
- Participants have learnt how software are running on a computer.
- Participants have learnt to use computers and similar device in a meaningful way and have become confident participants in the journey of digital india.
- However during and after the pandemic period this course have helped the students immensely in personal as well as academic endeavours as well as in their professional arena.

Dibyendu Mahalo

Course Coordinator)

### Summary Sheet for the Add-on course "Working with MS Office"

### **Department of Computer Science**

Session: January 2022 to June 2022

1. Name of the Course : Working with MS Office

2. Title of the Course : Working with MS Office(CS1001)

3. Name of the Coordinator: Dipankar Mahata

4. **Duration from** : February 2022 to June 2022

5. Class Taken Time : 30 Hours.

6. Class Taken : Off-line mode.

### 7. Objective of the Course:

- Certificate Course in Microsoft Office will help students to broaden their employment opportunities by proving skills in Microsoft Office.
- > This course can result in higher earning potential and career advancement.
- This course not only aims to provide them ability to use Microsoft Office applications for on-the-job needs but also provides a valuable distinction in entering higher education or the workforce by promoting academic preparedness and an opportunity to develop skills which businesses need for workforce readiness.

#### 8. Outcomes:

- > Basic Essential Computing skills companies are looking for.
- > Hands-on Practical Knowledge.
- > Boosting their resume.
- > Providing an edge over other applicants in the competitive job market.
- > Providing valuable experience and confidence.
- > Heightening their earning potential.
- > Gaining recognition among peers and employers.
- > Helping them in pursuit of higher education or a successful career.

Dipantan Makeli 2 4706/2022 Dipankar Mahata (Course Coordinator) STARINI COLLEGE PURULLY

### **Summary Sheet**

The Department of Chemistry of Nistarini College organised an add-on course on **Preliminary Microcal Origin** through offline mode on every Saturday (3 pm to 5 pm) and Sunday (10.0 am to 1.0 pm) for 30 hours from 5<sup>th</sup> Feb, 2022 to 20<sup>th</sup> March, 2022. Ninety participants were joined in the course under the coordinatorship of Dr. Kajal Gupta. Successful completion of this course enabled them to understand the Origin software, data collection, drawing graphs, analysis and interpretation. Students would be ready for future works in academic, research or in industry.

Name of the Course	ADD-ON COURSE ON PRELIMINARY MICROCAL ORIGIN
Coordinator	Dr. Kajal Gupta
Course overview	Microcal Origin is the data analysis and graphing software of choice for over half a million scientists and engineers in commercial industries, academia, and government laboratories worldwide. Origin offers an easy-to-use interface for beginners, combined with the ability to perform advanced customization as become more familiar with the application.
Course Objective	The main thrust would be on developing knowledge of origin software and its typical uses.
Prospect	This course will enable students for future work in academic, research or in industry. It also enables them to extract much more information from the data they generate.
Course Outcome	<ul> <li>Understanding the Origin software</li> <li>Data collection</li> <li>Drawing graphs</li> <li>Analysis and Interpretation</li> <li>Ready for future works in academic, research or in industry</li> </ul>
No of Participant	90
Contact Hours	30 hours
Course Duration	5 <sup>th</sup> Feb, 2022 to 20 <sup>th</sup> March, 2022 Saturday (3pm to 5pm) and Sunday (10.0am to 1.0pm)

Kajal Gupla 28.03.2022 Co-ordinator Dept. Of. Chemistry



### **Summary Sheet**

The Department of Chemistry of Nistarini College organised an add-on course on Advanced Microcal Origin through offline mode on every Saturday (3 pm to 5 pm) and Sunday (10.0 am to 1.0 pm) for 30 hours from 2<sup>nd</sup> April, 2022 to 8<sup>th</sup> May, 2022. Ninety participants were joined in the course under the coordinatorship of Dr. Kajal Gupta. Successful completion of this course enabled them to understand the Origin software, data collection, drawing graphs, analysis and interpretation. Students would be ready for future works in academic, research or in industry.

Name of the Course	ADD-ON COURSE ON ADVANCED MICROCAL ORIGIN
Coordinator	Dr. Kajal Gupta
Course overview	Microcal Origin is the data analysis and graphing software of choice for over half a million scientists and engineers in commercial industries, academia, and government laboratories worldwide. Origin offers an easy-to-use interface for beginners, combined with the ability to perform advanced customization as become more familiar with the application.
Objective	The main thrust would be on developing knowledge of origin software and its typical uses.
Prospect	This course will enable students for future work in academic, research or in industry. It also enables them to extract much more information from the data they generate.
Course Outcome	<ul> <li>Understanding the Origin software</li> <li>Data collection</li> <li>Drawing graphs</li> <li>Analysis and Interpretation</li> <li>Ready for future works in academic, research or in industry</li> </ul>
No of Participant	90
Contact Hours	30 hours
Course Duration	2 <sup>nd</sup> April, 2022 to 8 <sup>th</sup> May, 2022 Saturday (3pm to 5pm) and Sunday (10.0am to 1.0pm)

Kajal Guplā 16.05.2022 Co-ordinator Dept. Of Chemistry

### NISTARINI COLLEGE PURULIA

### **Summary Sheet**

The Department of Botany of Nistarini College organised an add-on course on Instrumentation in Science through online mode for 30 hours from 2nd April, 2022 to 28th June, 2022. Sixty participants were joined in the course under the coordinator ship of Arup Kumar Mandal. Successful completion of this course enabled them to apply appropriate techniques, resources, and modern instruments and equipments for Biochemical estimation, Molecular Biology, Biotechnology. Students would be ready for future works in academic, research or in industry.

Name of the Course	ADD-ON COURSE ON Instrumentation in Science Arup Kumar Mandal	
Coordinator		
Course Objective	The main thrust would be on developing knowledge instruments and their application in scientific Research.	
Prospect	This course will enable students for future work in academic, Research or in Industry.	
Course Outcome	Select and apply appropriate techniques, resources, and modern instruments and equipments for Biochemical estimation, Molecular Biology, Biotechnology, Plant Tissue culture experiments, cellular and physiological activities of plants with an understanding of the application and limitations.	
No of Participant	60	
Contact Hours	30 hours	
Course Duration	2nd April, 2022 to 28th June, 2022	