

Shri Shivaji Education Society, Amravati's

## SHRI SHIVAJI ARTS, COMMERCE & SCIENCE COLLEGE, AKOT

Ta. Akot Dist. Akola

NAAC Re-Accredited with grade 'B'



Founder President

**Dr. Panjabrao Alias Bhausaheb Deshmukh**

President

**Hon'ble Shri. Harshvardhan Deshmukh**

Principal

**Dr. A. L. Kulat**

Date 03/03/2020

### Declaration

This is to certify that the institute introduced the value added courses which are not the parts of regular curriculum. These value added courses have separate Brochure, Curriculum, Time-Table, Assessment Process and Course Completion Certificate. The curriculum designed for these value added courses offered syllabus outside of the regular curriculum that added values among the students to impart transferable and life skills.

All the value added courses along with NSS, NCC, Yoga Classes, Drinking Water Analysis; Flower Arrangements have Separate Brochure, Curriculum, Specific Duration and Assignment Process and Course Completion Certificate. After the completion of these value added courses, the students are awarded with value added completion certificates. The institute is providing separate Brochure, Curriculum, Time table, Assessment, Specimen Course Completion Certificate for each value added courses for your information.

Thanking you.

**Dr. A. L. Kulat**

**Principal**  
**Shri Shivaji Arts, Commerce**  
**& Science College, Akot**  
**Dist. Akola (Maharashtra)**

### 1.3 Curriculum Enrichment (30)

## 1.3.2 Number of value-added courses imparting transferable and life skills offered during the last five years (15)

	<b>2014-15</b>	
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<b>Name of the value added courses (with 30 or more contact hours) offered during last five years</b>	<b>Course Code</b>	<b>Year of offering</b>	<b>No. of times offered during the same year</b>	<b>Year of discontinuation</b>	<b>Number of students enrolled in the year</b>	<b>Number of Students completing the course in the year</b>
Yoga Coaching Camp for Women	YCCW	2014-15	1	Nil	40	40
National Cadet Corps	NCC	2014-15	1	Nil	70	70
National Service Scheme	NSS	2014-15	1	Nil	200	200

	2015-16
1. <b>General</b>	
2. <b>Administrative</b>	
3. <b>Academic</b>	
4. <b>Financial</b>	
5. <b>Legal</b>	
6. <b>Other</b>	

<b>Name of the value added courses (with 30 or more contact hours) offered during last five years</b>	<b>Course Code</b>	<b>Year of offering</b>	<b>No. of times offered during the same year</b>	<b>Year of discontinuation</b>	<b>Number of students enrolled in the year</b>	<b>Number of Students completing the course in the year</b>
Yoga Coaching Camp for Women	YCCW	2015-16	1	Nil	20	20
MPSC competitive Examination	MPSC-CE	2015-16	1	Nil	140	140
National Cadet Corps	NCC	2015-16	1	Nil	70	70
National Service Scheme	NSS	2015-16	1	Nil	200	200

[illegible]

Name of the value added courses (with 30 or more contact hours) offered during last five years	Course Code	Year of offering	No. of times offered during the same year	Year of discontinuation	Number of students enrolled in the year	Number of Students completing the course in the year
MPSC competitive Examination	MPSC-CE	2016-17	1	Nil	120	120
NCC	NCC	2016-17	1	Nil	70	70
NSS	NSS	2016-17	1	Nil	200	200
<b>2017-18</b>						
Name of the value added courses (with 30 or more contact hours) offered during last five years	Course Code	Year of offering	No. of times offered during the same year	Year of discontinuation	Number of students enrolled in the year	Number of Students completing the course in the year
Speaking English Classes and Personality Development	SEC	2017-18	1	Nil	120	120
Marathi writing and grammer	MWG	2017-18	1	Nil	25	25
Fish Feed and Feeding	FFF	2017-18	1	Nil	25	25
Drinking Water Analysis	DW	2017-18	1	Nil	25	25
Floriculture	FLC	2017-8	1	Nil	30	30
Tourist Guide	TG	2017-18	1	Nil	30	30
Diabetes Management	DM	2017-18	1	Nil	30	30
Presentation of Patriotic song	PTS	2017-18	1	Nil	10	10
National Cadet Corps	NCC	2017-18	1	Nil	70	70

National Service Scheme	NSS	2017-18	1	Nil	200	200
<b>2018-19</b>						
Mushroom Cultivation	MUC	2018-19	1	Nil	30	30
Modilopi	MDL	2018-19	1	Nil	139	139
Flower Arrangement	FLA	2018-19	1	Nil	30	30
Drinking Water Analysis	DW	2018-19	1	Nil	25	25
Fish Feed and Feeding	FFF	2018-19	1	Nil	25	25
Presentation of Patriotic song	PPS	2018-19	1	Nil	12	12
English for Competative Examination	ECE	2018-19	1	Nil	20	20
Spoken Skills in English	SSE	2018-19	1	Nil	22	22
Human Rights	HR	2018-19	1	Nil	22	21
Environmental Management	EVM	2018-19	1	Nil	26	26
Event Managment	EM	2018-19	1	Nil	28	28
Library Manegement	LM	2018-19	1	Nil	30	30
व्यावहारिक अभ्यासक्रम	PS	2018-19	1	Nil	25	25
National Cadet Corps	NCC	2018-19	1	Nil	70	70
National Service Scheme	NSS	2018-19	1	Nil	200	200

#### Important Particulars -

- Nature of N.S.S. :- Social service scheme for students sponsored by Ministry of Youth Affairs and Sports, Government of India for the under-graduate students.
- Birth of N.S.S. :- September, 1969 during Gandhi centenary year and during 4th Five year plan 1969-74.
- iii) Year of Establishment in college :- 1974
- Moto of N.S.S. :- Not me, But you.
- Goal of N.S.S. :- Education through community service and community service through education.
- vi) Obligation of N.S.S. Volunteers :- To work for two continued years along with their studies, putting in 120 hours service each year and participating in one Special Camping Programme.
- Pride of N.S.S. Volunteers :- N.S.S. Badge and N.S.S. certificate which will stand volunteers in good stand in future career. 5 additional marks will be given for the 120 hours of N.S.S. Activity and 1 marks for Special Camp.
- viii) Principal Elements in N.S.S. :- There are four principal elements in the N.S.S. Programme Process. The students, the teachers the community and the programme.
- viii) Programme of N.S.S. :- Two fold programme : Regular activities and Special Camping.
- ix) N.S.S. Programme is flexible with no rigidity. Any useful programme in the light of the need of the community & the occasion can be taken up in consultation with the university.
- x) Special camping :- Camping is an important activity of N.S.S. special camps are held at the college level for 7 days duration winter breaks in rural areas. The normal strength of a camp is 50% of total sanctioned strength. Campers enjoy the camp life, learn the virtues of good citizenship and render service to the community.

#### STUDENTS STRENGTH FOR REGULAR ACTIVITIES

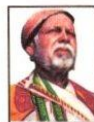
Volunteers	
Boys	100
Girls	100
Total	200

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### Sant Gadge Baba Amravati University Amravati

Shri Shivaji Education Society, Amravati's

Shri Shivaji Art's, Commerce & Science College, Akot



Department of NSS

National Service Scheme



#### NSS ACTIVITIES



2014-2015

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Shri Shivaji Arts, Commerce & Science College, Akot, Dist. Akola (Maharashtra)

### SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI (NATIONAL SERVICE SCHEME)

#### Basic Concepts -

The overall aim of NSS as envisaged earlier, is to give an extension dimension to the higher education system and orient the student youth to community service while they are studying in educational institution. He educated youth who are expected to take the reins of administration in future are found to be unaware of the problems of the village/slum community and in certain cases are indifferent towards their needs and problems. Therefore it is necessary to arouse the social conscience of the students, and to provide them an opportunity to work with the people in the villages and slums. It is felt that their interaction with the common villages and slum dwellers will expose them to the realities of life and bring about a change in their social perception.

#### Objectives -

- i) Understand the community in which they work.
  - ii) Understand themselves in relation to their community.
- Identify the needs and problems of the community and involve them in problem solving process.
  - Develop among themselves a sense of social and civic responsibility.
  - Utilize their knowledge in finding practical solution to individual and community problems.
  - Develop competence required for group-living and sharing of responsibilities.
  - Acquire leadership qualities and democratic attitude.
  - Develop capacity to meet emergencies and natural disasters.
  - Practice national integration and social harmony.

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#### The Motto -

The motto of the N.S.S. is "NOT ME BUT YOU". This expresses the essence of democratic living and upholds the need for selfless service and appreciation of the other man's point of view and also to show consideration for fellow human beings. It underlines that the welfare of an individual is ultimately dependent on the welfare of society as a whole. Therefore it should be the aim of the NSS to demonstrate this motto in its day-to-day programme.

#### NSS Symbol -



The symbol of the National Service Scheme is based on the "Rath" wheel of the Konark, Sun Temple of Orissa. These giant wheels of the Sun Temple portray the cycle of creation, preservation and release and signify the movement in life across time and space. The design of the symbol, a simplified then progressive cycle of life. It stands for continuity as well as change and implies on the part of the NSS for continuous striving forward for social transformation and uplift.

#### NSS Badge -

The N.S.S. Symbol is embossed of N.S.S. Badge. The N.S.S. volunteers wear it while undertaking various community programmes of community service. There are 24 wheels in 'Rath' of Sun Temple of Konark. Each wheel has eight bars, which represents 8 Prahars of day. Hence the badge reminds the wearer to be in readiness for service of the nation round the clock i.e. for 24 hours or 8 prahars. The red colour in the badge indicates that the NSS volunteers are full of block, i.e. lively, active and spirited. The navy blue colour indicates the cosmos of which the NSS is a tiny part ready to contribute its share for the welfare of the mankind.

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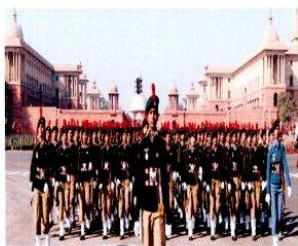
Shri Shivaji Education Society, Amravati's

**Shri Shivaji Arts, Commerce &  
Science College, Akot, Dist. Akola**

Department of NCC



**2014 -2015**



## INTRODUCTION

**Historical Background:** - N.C.C. is a member of international youth organization. This is purely voluntary organization and is largest youth organization in world. In our educational system N.C.C. has a unique importance. During the first and second world wars, there was a great shortage of officers to lead the troupes into combat, so The British Indian Government appointed a committee to make necessary recommendation for the formation of cadet corps organization. The recommendation of the committee was placed before the Legislative Assembly on 13 March 1948.

The N.C.C. came into being by an Act of Parliament (Act No. 11 of 1948) designated The N.C.C. act 1948 and so the N.C.C. was formed on 15<sup>th</sup> July 1948. Bulk of the N.C.C. Strength which consists of Army wing boys units was raised all over the country in 1948-49. The girls division was raised in 1949. Air wings came into being in 1950 & the Naval in 1952. Today N.C.C. is the largest youth organization in the world with strength of 11.63 lakh cadets spread all over India through 16 State Directorates, 91 Group HQs 754 BNS, and 19,837 Institutes (Schools and Colleges). Our Institute is one of them. Since pride must set in deeply and the same is cultivated through producing Quality N.C.C. image. Therefore our Motto is "UNITY AND DISCIPLINE".

## MOTTO UNITY & DISCIPLINE AIMS OF NCC

To develop character, comradeship, discipline, leadership, secular outlook, spirit of adventure and the ideals of selfless-service amongst the youth of the country.

To create a human resource of organized, trained and motivated youth to provide leadership in all walks of life and always available for the service of the nation.

To provide a suitable environment to motivate the youth to take up a career in the armed forces.

## CARDINALS OF NCC

- ❖ OBEY WITH SMILE
- ❖ BE PUNCTUAL
- ❖ WORK HARD AND WITHOUT FUSS
- ❖ MAKE NO EXCUSES AND TELL NO LIES

**Students Strength : 87**

## CERTIFICATE

### B' CERT EXAMINATION

**Eligibility:-**

- 1] He must be a First year cadet
- 2] His attendance must be of 75%
- 3] He must attend at least one camp

*(Signature)*  
Principal

Shri Shivaji Arts, Commerce & Science College, Akot, Dist. Akola (Maharashtra)

## CERTIFICATE

### 'C' CERT EXAMINATION

**Eligibility:-**

- 1] He must be a Second year cadet.
- 2] His attendance must be above 75%
- 3] He must pass the 'B' cert Examination.
- 4] He must have attended minimum two camps.

**BLOCK SYLLABUS OF SD/SW YEAR  
2014-2015**

### Time Plan

Nos of Month : 09  
Nos of week : 36  
Nos of Prade day : 02 Days per week  
Nos of Period per day : 03

Total no of Period : 216

### Prade Timing

1<sup>ST</sup> : 0700 to 0740  
2<sup>nd</sup> : 0745 to 0825  
3<sup>rd</sup> : 0830 to 0910

### Training Aids

1. Computer Slides, Charts, Pointer, Black board & Chalk.

### Time Plan

2. (a) Introduction - 05 Min
- (b) Aims of NCC - 15 Min
- (c) Objectives of NCC - 15 Min
- (d) Conclusion - 05 Min

### Curricular Activities



- Special Camps
- Independence Day
- NCC Day
- Republic Day
- Organized by Annual Training Camp
- CAREER GUIDANCE FOR NCC CADT.

### Extension Activities

- Blood Donation
- Cycle Rally ('Oil conservation drive' save petrol/oil & save Girl)
- Female Foeticide Rally
- Ram - Rahim jodo Abhiyan
- Pulse Polio Drive
- Tree Plantation Programme
- Bandobast Duty
- Plastic Remo Programme

## TRAINING PROGRAMME 11 MAH BN NCC AKOLA

### Training Syllabus

INDEX THE NCC				
Sr No	Lesson Code	Subject	Cat	Page No
1	N 1	Aims and Objectives of NCC	SD/SW	03
2	N 2	Organisation, Training and NCC Song	SD/SW	05
3	N 3	Incentives	SD/SW	09

Sr No	Lesson Code	Subject	Page No
1	N	The NCC	2
2	NI	National Integration	14
3	FD/AD/CD	Drill	49
4	WT	Weapon Training	97
5	DM	Disaster Management	122
6	SA	Social Awareness & Community Development	157
7	H	Health & Hygiene	213
8	EA	Environment Awareness and Conservation	261
9	ADV	Adventure	284
10	OT	Obstacle Training	302
11	P	Personality Development	309

## Syllabus

### Part-A

#### ASANE:

1. Padmasan
2. Bhujangasan
3. Pacchimottanasan
4. Shavashan
5. Makrasan
6. Naukasan
7. Shirshasan
8. Dhanurasan
9. Halasan
10. Sarvangasan

### Part- B

#### PRANAYAM :

1. Anulom-vilom
2. Kaplabhati
3. Bhramari Pranayam
4. Shitali Pranayam
5. Bhastrika Pranayam



Shri Shivaji Art's, Commerce  
and Science College, Akot Dist-Akola

Department of Physical  
Education

Yoga Coaching Camp

2015-2016

  
Principal  
Shri Shivaji Arts, Commerce  
& Science College, Akot  
Dist. Akola (Maharashtra)

Intake Capacity : 20 Participants

Eligibility : The Participants has been selected for Yoga camp those who are interested in physical fitness.

Specific : In Academic session 2015-2016 Yoga camp has been conducted for general men and women participants. In this camp, 8 womens and 12 mens has showed their participation.

Duration of Course : 32 hours  
(4 hours/day)

Morning shift - 2 Hours

Evening shift - 2 Hours

(Date - 09-10-2015 to 16-10-2015)

Course Co-Ordinator-

Mr. A. V. Tayde  
(Director of Physical Education)

#### Importance :

Physical fitness is essential for human beings. Yogasana plays important role in maintaining physical fitness. Yogasan is more important to maintain equality, freedom and universal brotherhood thereby keeps society fit.

#### Aim :

1. To develop performing skill among the participants and encourage to maintain figure and body health.
2. Participant has been taken additional knowledge about Yogasana specially organized women because so many womens are busy in there routine schedule.

## Syllabus

### मराठी शुद्धलेखन व व्याकरण

- भाग 1. शुद्धलेखन म्हणजे काय ? शुद्धलेखनाचे महत्व
- भाग 2. मराठी भाषेतील व्याकरण व व्याकरणाचे महत्व
- भाग 3. मराठी भाषेतील -ह्रस्व दिर्घाचे महत्व
- भाग 4. मराठी भाषेतील सामान्य रूपे व जोडाक्षरे
- भाग 5. विराम चिन्हे आणि इतर चिन्हे आणि मराठी वाक्यरचनेची वैशिष्ट्ये
- भाग 6. माहिती पत्रक



Shri Shivaji Art's, Commerce and  
Science College, Akot Dist-Akola

### Department of Marathi

### Value Added Course

2017-2018

*Principal*  
Principal  
Shri Shivaji Arts, Commerce  
& Science College, Akot  
Dist. Akola (Wahar Centre)

**Intake Capacity : 25 Participants**

**Eligibility :** The Participants has been selected for B.A. III years.

**Specific :** In Academic session 2017-2018 Value Added Course has been conducted for all Students. In this camp, 12 womens and 13 mens has showed their participation.

**Duration of Course : 01 Months**  
**July 05 days, Aug. 05 days & Sept.05 days 2017**

**Total 30 Hours.**

**Morning shift - 1 Hours**  
**10.am To 11.00 am**

**Course Co-Ordinator -**  
**Dr. V. V, Tayade**

**Importants:-** विद्यार्थी मातृभाषेकडे गार्भियाने न बघता सहज म्हणून बघतात. परिणामस्वरूप विद्यार्थी मराठी विषयाचे लेखन करताना खूप चुका करतात. शुद्धलेखनाचे नियम अवगत करून देण्यासाठी त्यांना लेखन सराव व्हावा आणि जास्तीत जास्त त्यांच्याकडून अचूक लेखन घडून यावे असा विशुद्ध या कोर्समागे आहे. तद्वतच विद्यार्थी व्याकरणाला खूप घाबरतात. त्यामुळे व्याकरणाच्याही चुका त्यांच्याकडून होतात. मराठी भाषिक विद्यार्थ्यांना शुद्धलेखन आणि व्याकरणाचे महत्व लक्षात आणून देण्यासाठी कोर्सची उपयुक्तता आज अधिक वाढली आहे. म्हणूनच मराठी शुद्धलेखन व व्याकरणाचे महत्व लक्षात यावे यासाठी हा कोर्स आयोजित करण्यात आलेला आहे.

#### **Aim:**

1. विद्यार्थ्यांना मराठी विषयाचे शुद्धलेखन व व्याकरणाचे महत्व लक्षात आणून देणे.
2. लेखन करताना विद्यार्थ्यांना व्याकरणाचे महत्व पटवून देणे.
3. मराठी भाषेकडे गार्भियाने पाहण्याचे सवय लावणे.
4. मराठी भाषेतील सामान्यरूपे व जोडाक्षरे याचे ज्ञान अवगत करून देणे.
5. विरामचिन्हांची माहिती व वाक्यरचनेची वैशिष्ट्ये लक्षात आणून देणे.



#### CAREER OPPORTUNITIES

- Fish food production industries
- Fishery related Sector
- Self-employment



#### COURSE VENUE

DEPARTMENT OF ZOOLOGY

SHRI SHIVAJI ARTS COMMERCE AND SCIENCE COLLEGE, AKOT



## SHRI SHIVAJI ARTS COMMERCE AND SCIENCE COLLEGE, AKOT

DIST. AKOLA, MAHARASHTRA

### INFORMATION BROCHURE

(VALUE ADDED PROGRAM)

CERTIFICATE COURSE

IN

FISH FEED & FEEDING

@

DEPARTMENT OF ZOOLOGY

SHRI SHIVAJI ARTS COMMERCE AND SCIENCE COLLEGE, AKOT

Shri Shivaji Arts, Commerce  
& Science College, Akot  
Dist. Akola (Maharashtra)

#### COURSE DESCRIPTION

Shri. Shivaji Arts, Commerce and Science College, Akot is one of the reputed institute from Akola District of Maharashtra. This college provides the education at Under Graduate, Post Graduate and Research (Ph.D.) Level. College decided to introduce certificate courses under Value Added Program (VAP) on self-financed basis. The Department of Zoology launched Value Added Program- Fish Feed Formulation in June 2015. The program of Fish Feed Formulation is designed to learn the Manufacturing of commercial fish feed that enabling the fish to feed efficiently and grow to their full potential. This program is designed to made the students self-sufficient with professional skills to improve employability

**Duration:** 32 Hours

**Eligibility:** B.Sc. (Zoology) Student of this college

**Course Fees:** Free

**Intake Capacity:** 25 Students

#### Application Procedure:

- ✓ Available at College Office
- ✓ 2 copies of Passport size Photographs
- ✓ College Identity Card
- ✓ Aadhaar Card

#### Highlights:

- ✓ Expert Faculties
- ✓ Exposure to Fishery Industries
- ✓ In-hand Experience
- ✓ Industrial Visits

  
Head  
Department of Zoology  
Shri Shivaji Arts, Commerce and  
Science College, Akot

#### COURSE HIGHLIGHTS

##### Module 1

- 1.1. Economic importance of fishes
- 1.2. Types of fish feed and feeding pattern
- 1.3. Major nutrients in fish food
- 1.4. Nutrition and fish quality

##### Module 2

- 2.1. Digestion and metabolism
- 2.2. Intermediary Metabolism
- 2.3. Nutrient and Energy Utilization
- 2.4. Alternative nutrient sources

##### Module 3

- 3.1. Aqua-feed and environment
- 3.2. Feed Ingredients
- 3.3. Feed Formulation
- 3.4. Feed Manufacturing / Formulation

##### Module 4

- 4.1. Larval and adult feeding
- 4.2. Natural Foods
- 4.3. Feeding Schedules
- 4.4. Feeding Frequency

  
Principal  
Shri Shivaji Arts, Commerce &  
Science College, Akot

**Rush for limited seats !  
More than just a course !!  
Be a talented expertise !!!**

### INTRODUCTION:

Floriculture is the discipline of Horticulture that include the study of growing flowering plants. Floriculture includes farming of flowering and ornamental plants that can be used as raw materials in the perfume industry and pharmaceutical sector. Now-a-days, demanding of flowers like *Gerbera*, *Gladiolus*, Lilies, Roses is increasing day by day. This course is useful for generate self-employment opportunities to Students.

### Aims & Objectives:

To provide the knowledge of cultivation of value added flowering plants and essential oil containing plants.

To gain the knowledge on value added products of flowers.

To emphasize primary and secondary processing of flowers and leaves.

To provide students an understanding of the floriculture business.

To generate additional income of farmers along with traditional farming.

Intake Capacity- 30  
Fees- Free of Cost  
Duration Of Course- 30hrs  
Eligibility- B. Sc. Biology Appeared Students  
Note: After Completion of course the certificates will be issued from the Department.

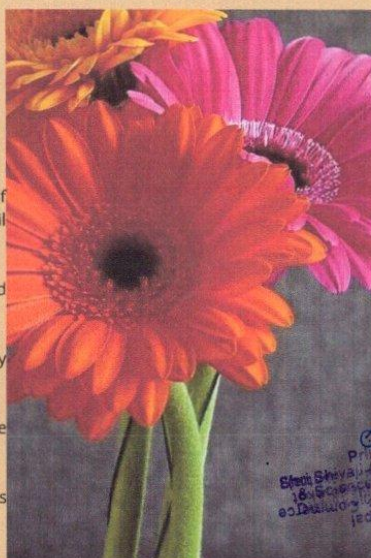
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**Shri Shivaji Arts, Commerce & Science College, Akot,**

### Department Of Botany

#### Value Added Course

2017-18

## FLORICULTURE



### COURSE COORDINATOR

Dr. S. N. Patole

Assistant Professor

Department of Botany

Contact No.-9373477789

Shri Shivaji Education Society, Amravati's



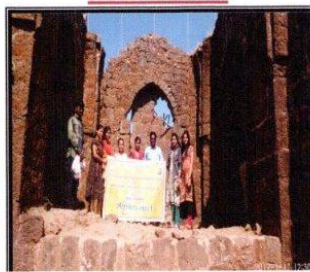
**Shri Shivaji Arts, Commerce & Science College, Akot, Dist. Akola**

Department of History

### Value Added Course

#### Tourist Guide

2017-2018



### Aims Of Course

1. To make students aware and aware of information about tourist places, historical sites in India
2. To make the students proof in terms of generating tourist guides
3. Creating a tourist guide as an opportunity for employment

**Number Of Seats – 30**

**Duration Of Course- 30 Hour**

### Eligibility Of Course

Passed 12<sup>th</sup> Class under 10+2 system or equivalent

### Fee Structure

No Fee

### Examination

Theory - Objective -30 Mark

Practical

A) Project - 40 Mark

B) Demonstration (Tourist Guide) -30 Mark

### Future scope

1. To get review historical places.
2. To check the impact of those places on the cultural life of Vidharbha in western India.
3. Check that pilgrimage is used for tourism.
4. Find out if some cottage industries can be built based on skill .
5. To find the how tourism places are helpful for employment creation.
6. Explore problems encountered in tourism.
7. To find out solutions to problems in tourism, find out the plan.

### Course Coordinator

Dr. Prashant P. Kothe

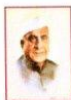
Head Department Of History

Mb-9822461416

Principal  
Shri Shivaji Arts, Commerce  
& Science College, Akot  
Dist. Akola (Maharashtra)



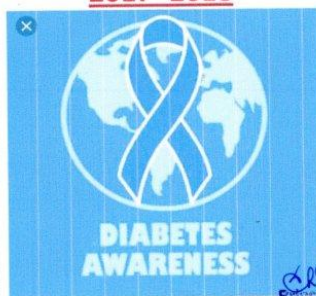
Shri Shivaji Education Society, Amravati's



**Shri Shivaji Arts, Commerce &  
Science College, Akot, Dist. Akola**

Department of Home Economics

**Value Added Course  
Diabetes management  
2017 -2018**



Shri Shivaji Arts, Commerce  
& Science College, Akot  
Dist. Akola (Maharashtra)

**Introduction :**

Diabetes is a disease that occurs when your blood glucose, also called blood sugar, is too high. Blood glucose is your main source of energy and comes from the food you eat. Insulin, a hormone made by the pancreas, helps glucose from food get into your cells to be used for energy.

Prevention and treatment involve maintaining a healthy diet, regular physical exercise, a normal body weight, and avoiding use of tobacco. Control of blood pressure, maintaining proper food care and eye care are important for people with the disease.

**Aims of the Course:-**

- 1) To learn the basics of diabetes - signs symptoms and diagnosis.
- 2) Awareness about Diabetes.

**Number Of Seats – 30**

**Time Table**

Day	Time
Thursday	8.00 to 10.00am
Friday	8.00 to 10.00am
Saturday	8.00 to 10.00am

**Fee Structure**

No Fee

**Examination**



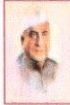
1. End Of Course 50 Marks Paper
2. Minimum 40 Percentage of Passing

**Diabetes management  
Syllabus**

1. Introduction, definition and history.
2. Classification of diabetes.
3. Symptoms signs and diagnosis.
4. Prevention of diabetes.
5. Diet, exercise and yoga in diabetes.

**Course Coordinator**

Prof. Swati S. Vaidya  
Head Department Of Home  
Economics  
Mb-9881416869

<p><b>Intake capacity:-</b> 10 students</p> <p><b>Eligibility:-</b> The students will selected for the admission to this course by testing their voice and selected students will given admission to this course.</p> <p><b>Duration of Course:-</b> 3 Months</p> <p><b>Exam:-</b> Practical Test of the participating students will be taken for this course. Practical Test will be taken in the month of September.</p> <p><b>Course Coordinator:</b> Ms. Pratibha Pavitrakar Head Department of Music Mob.no.7757007434</p>		<div style="display: flex; justify-content: space-between;">   </div> <p style="text-align: center;"><b>Shri Shivaji Arts, Commerce, And Science College, Akot</b></p> <p style="text-align: center;"><b>Department- Music</b></p> <p style="text-align: center;">Value Added Course Presentation of Patriotic Song 2017-18</p> <p style="text-align: right;">Principal Shri Shivaji Arts, Commerce &amp; Science College, Akot Dist. Akola (Wahadwara)</p>
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<p><b>Preface</b></p> <p><b>National unity essential for a strong and well organized country. Music plays an important role in maintaining national unity. Equality, freedom and universal brotherhood are all included in music.</b></p> <p><b>Aims:-</b></p> <ol style="list-style-type: none"> <li>1) To develop performing skill among the students and to encourage a participation in the wide range of performance activities likely to be found in the community.</li> <li>2). To Provide appropriate knowledge and develop appropriate skill as a basis of further study</li> </ol> <p><b>Objectives:-</b></p> <ol style="list-style-type: none"> <li>1)The students will gain further knowledge and skill in Music</li> <li>2)Students will gain additional knowledge and understanding of composition, Techniques and performance style In order to gain the skill and ability of presenting Patriotic song for the students of B. A. Music the course of "Presentation skill in Music" is started in this academic year 2017-18 by the department of music. These selected students will guided by the Professors in the department and experts. This course will help to develop the skills of presentation of Patriotic song in the students .</li> </ol>	<p style="text-align: center;"><b>Department- Music Presentation of Patriotic Song Syllabus</b></p> <ol style="list-style-type: none"> <li>1) Indian Patriotic song should be composed in following Ragas and Talas.( 15 Marks) <ul style="list-style-type: none"> <li>A) Name of Ragas:- (15 Marks)</li> <li>1)Bhupali 2) Deshkar 3)Bilawal 4) Des 5) Shankara</li> <li>B) Name of Talas</li> <li>1) Keharwa</li> <li>2) Dadra</li> <li>3) Keharwa(Western beat)</li> </ul> </li> <li>2) Hindi, Marathi Patriotic Songs as follows:-(20 Marks)</li> </ol> <p style="text-align: center;"><b>Hindi Patriotic Songs</b></p> <ol style="list-style-type: none"> <li>१) सारे जहा से अच्छा</li> <li>२) हम होंगे कामयाब</li> <li>३) ए मेरे प्यारे वतन</li> <li>४) इन्साफ कि डागर पे</li> <li>५) ए मेरे वतन के लोगो</li> </ol>	<p style="text-align: center;"><b>Marathi Patriotic Songs</b></p> <ol style="list-style-type: none"> <li>१) गे मायभू तुझे मी</li> <li>२) गजो महाराष्ट्र माझा</li> <li>३) जयोस्तुते</li> <li>४) उठा राष्ट्रवैर हो</li> <li>५) या दाही दिशा</li> </ol>
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Shri Shivaji Education Society, Amravati's

**Shri Shivaji Arts, Commerce & Science College, Akot. Dist. Akola**

Department of NCC



**2017 -2018**



**Coordinator**

**Capt. Dr. Prashant P. Kothe**  
Head Department of History  
Mob-9822461416

Principal  
Shri Shivaji Arts, Commerce & Science College, Akot, Dist. Akola (Maharashtra)

## INTRODUCTION

**Historical Background:** - N.C.C. is a member of international youth organization. This is purely voluntary organization and is largest youth organization in world. In our educational system N.C.C. has a unique importance. During the first and second world wars, there was a great shortage of officers to lead the troupes into combat, so The British Indian Government appointed a committee to make necessary recommendation for the formation of cadet corps organization. The recommendation of the committee was placed before the Legislative Assembly on 13 March 1948.

The N.C.C. came into being by an Act of Parliament (Act No. 11 of 1948) designated The N.C.C. act 1948 and so the N.C.C. was formed on 15<sup>th</sup> July 1948 Bulk of the N.C.C. Strength which consists of Army wing boys units was raised all over the country in 1948-49. The girls division was raised in 1949. Air wings came into being in 1950 & the Naval in 1952. Today N.C.C. is the largest youth organization in the world with strength of 11.63 lakh cadets spread all over India through 16 State Directorates, 91 Group HQs 754 BNS, and 19,837 Institutes (Schools and Colleges). Our Institute is one of them. Since pride must set in deeply and the same is cultivated through producing Quality N.C.C. image. There fore our Motto is "UNITY AND DISCIPLINE".

## MOTTO UNITY & DISCIPLINE AIMS OF NCC

To develop character, comradeship, discipline, leadership, secular outlook, spirit of adventure and the ideals of selfless-service amongst the youth of the country.

To create a human resource of organized, trained and motivated youth to provide leadership in all walks of life and always available for the service of the nation.

To provide a suitable environment to motivate the youth to take up a career in the armed forces.

## CARDINALS OF NCC

- ❖ OBEY WITH SMILE
- ❖ BE PUNCTUAL
- ❖ WORK HARD AND WITHOUT FUSS
- ❖ MAKE NO EXCUSES AND TELL NO LIES

**Students Strength : 70**

## CERTIFICATE

## B' CERT EXAMINATION

**Eligibility:-**

- 1] He must be a First year cadet
- 2] His attendance must be of 75%
- 3] He must attend at least one camp

## CERTIFICATE

### 'C' CERT EXAMINATION

**Eligibility:-**

- 1] He must be a Second year cadet.
- 2] His attendance must be above 75%
- 3] He must pass the 'B' cert Examination.
- 4] He must have attended minimum two camps.

### BLOCK SYLLABUS OF SD/SW YEAR 2014-2015

#### Time Plan

Nos of Month : 09  
Nos of week : 36  
Nos of Prade day : 02 Days per week  
Nos of Period perday : 03

Total no of Period : 216

#### Prade Timing

1<sup>st</sup> : 0700 to 0740  
2<sup>nd</sup> : 0745 to 0825  
3<sup>rd</sup> : 0830 to 0910

#### Training Aids

1. Computer Slides, Charts, Pointer, Black board & Chalk.

#### Time Plan

2. (a) Introduction - 05 Min
- (b) Aims of NCC - 15 Min
- (c) Objectives of NCC - 15 Min
- (d) Conclusion - 05 Min

## Curricular Activities



- Special Camps
- Independence Day
- NCC Day
- Republic Day
- Organized by Annual Training Camp
- CAREER GUIDANCE FOR NCC CADT.

#### Extension Activities

- Blood Donation
- Cycle Rally ('Oil conservation drive' save petrol/oil & save Girl )
- Female Foeticide Rally
- Ram - Rahim jodo Abhiyan
- Pulse Polio Drive
- Tree Plantation Programme
- Bandobast Duty
- Plastic Remo Programme

## TRAINING PROGRAMME 11 MAH BN NCC AKOLA

### Training Syllabus

INDEX THE NCC				
Sr No	Lesson Code	Subject	Cat	Page No
1	N 1	Aims and Objectives of NCC.	SD/SW	03
2	N 2	Organisation, Training and NCC Song	SD/SW	05
3	N 3	Incentives	SD/SW	09

Sr No	Lesson Code	Subject	Page No
1	N	The NCC	2
2	Ni	National Integration	14
3	FD/AD/CD	Drill	49
4	WT	Weapon Training	97
5	DM	Disaster Management	122
6	SA	Social Awareness & Community Development	157
7	H	Health & Hygiene	213
8	EA	Environment Awareness and Conservation	261
9	ADV	Adventure	284
10	OT	Obstacle Training	302
11	P	Personality Development	309

#### Important Particulars -

- Nature of N.S.S. :- Social service scheme for students sponsored by Ministry of Youth Affairs and Sports, Government of India for the undergraduate students.
- Birth of N.S.S. :- September, 1969 during Gandhi centenary year and during 4th Five year plan 1969-74.
- iii) Year of Establishment in college :- 1974
- Moto of N.S.S. :- Not me, But you.
- Goal of N.S.S. :- Education through community service and community service through education.
- vi) Obligation of N.S.S. Volunteers :- To work for two continued years along with their studies, putting in 120 hours service each year and participating in one Special Camping Programme.
- Pride of N.S.S. Volunteers :- N.S.S. Badge and N.S.S. certificate which will stand volunteers in good stand in future career. 5 additional marks will be given for the 120 hours of N.S.S. Activity and 1 marks for Special Camp.
- viii) Principal Elements in N.S.S. :- There are four principal elements in the N.S.S. Programme Process. The students, the teachers the community and the programme.
- viii) Programme of N.S.S. :- Two fold programme : Regular activities and Special Camping.
- ix) N.S.S. Programme is flexible with no rigidity. Any useful programme in the light of the need of the community & the occasion can be taken up in consultation with the university.
- x) Special camping :- Camping is an important activity of N.S.S. special camps are held at the college level for 7 days duration winter breaks in rural areas. The normal strength of a camp is 50% of total sanctioned strength. Campers enjoy the camp life, learn the virtues of good citizenship and render service to the community.

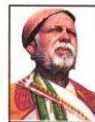
#### STUDENTS STRENGTH FOR REGULAR ACTIVITIES

Volunteers	
Boys	100
Girls	100
Total	200

### Sant Gadge Baba Amravati University Amravati

Shri Shivaji Education Society, Amravati's

Shri Shivaji Art's, Commerce & Science College, Akot



Department of NSS

National Service Scheme



#### NSS ACTIVITIES



2017-2018

Principal  
Shri Shivaji Arts, Commerce  
& Science College, Akot  
Dist. Akola (Maharashtra)

### SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI (NATIONAL SERVICE SCHEME)

#### Basic Concepts -

The overall aim of NSS as envisaged earlier, is to give an extension dimension to the higher education system and orient the student youth to community service while they are studying in educational institution. He educated youth who are expected to take the reins of administration in future are found to be unaware of the problems of the village/slum community and in certain cases are indifferent towards their needs and problems. Therefore it is necessary to arouse the social conscience of the students, and to provide them an opportunity to work with the people in the villages and slums. It is felt that their interaction with the common villages and slum dwellers will expose them to the realities of life and bring about a change in their social perception.

#### Objectives -

- i) Understand the community in which they work.
  - ii) Understand themselves in relation to their community.
- Identify the needs and problems of the community and involve them in problem solving process.
  - Develop among themselves a sense of social and civic responsibility.
  - Utilize their knowledge in finding practical solution to individual and community problems.
  - Develop competence required for group-living and sharing of responsibilities.
  - Acquire leadership qualities and democratic attitude.
  - Develop capacity to meet emergencies and natural disasters.
  - Practice national integration and social harmony.

#### The Motto -

The motto of the N.S.S. is "NOT ME BUT YOU". This expresses the essence of democratic living and upholds the need for selfless service and appreciation of the other man's point of view and also to show consideration for fellow human beings. It underlines that the welfare of an individual is ultimately dependent on the welfare of society as a whole. Therefore it should be the aim of the NSS to demonstrate this motto in its day-to-day programme.



#### NSS Symbol -

The symbol of the National Service Scheme is based on the "Rath" wheel of the Konark, Sun Temple of Orissa. These giant wheels of the Sun Temple portray the cycle of creation, preservation and release and signify the movement in life across time and space. The design of the symbol, a simplified then progressive cycle of life. It stands for continuity as well as change and implies on the part of the NSS for continuous striving forward for social transformation and uplift.

#### NSS Badge -

The N.S.S. Symbol is embossed of N.S.S. Badge. The N.S.S. volunteers wear it while undertaking various community programmes of community service. There are 24 wheels in 'Rath' of Sun Temple of Konark. Each wheel has eight bars, which represents 8 Prahars of day. Hence the badge reminds the wearer to be in readiness for service of the nation round the clock i.e. for 24 hours or 8 prahars. The red colour in the badge indicates that the NSS volunteers are full of block, i.e. lively, active and spirited. The navy blue colour indicates the cosmos of which the NSS is a tiny part ready to contribute its share for the welfare of the mankind.



## INTRODUCTION:

Mushrooms are a natural product with many nutritional advantages. Mushroom contains all essential amino acids, vitamins, proteins, iron, calcium, potassium and folic acid. It is also a good source of dietary fiber. Mushroom cultivation has now become a source for income generation since there is a large demand for healthy and quality food products. Many value added products are also obtained from mushroom. The cultivation procedure is characterized by small initial investment and year round production. It is an eco-friendly agriculture practice. Considering the self employment potential of mushroom cultivation and marketing, the Department runs the value added course on Mushroom Cultivation to the B. Sc. Biology students of the college.

### Aims of the Course:

To promote practical skills and knowledge through hands on training.

To train the U. G. students for mushroom cultivation technology and value addition.

To help create self employment opportunities for rural students through mushroom cultivation.

To provide the students awareness about the marketing trends of mushrooms.

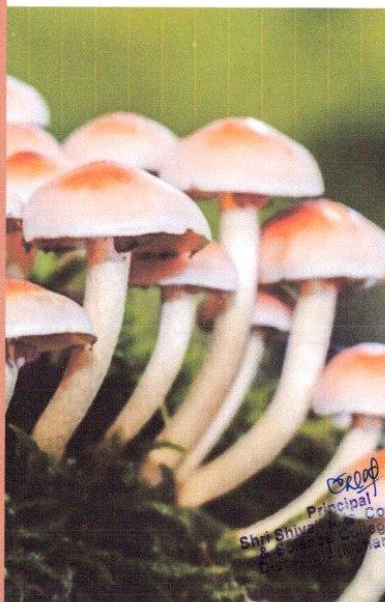
Intake Capacity- 30

Fees- Free of Cost

Duration Of Course- 30hrs

Eligibility- B. Sc. Biology Appeared Students

Note: After Completion of course the certificates will be issued from the Department.



Shri Shivaji Education Society Amravati's

Shri Shivaji Arts, Commerce & Science College, Akot

Department Of Botany

Value added Course  
2018-19

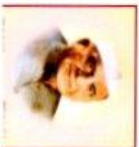
## Mushroom Cultivation



COURSE COORDINATOR

DR. M. M. DHORE  
HEAD, DEPARTMENT OF BOTANY  
CONTACT NO.- 9922309359

Shri Shivaji Education Society, Amravati's



**Shri Shivaji Arts, Commerce &  
Science College, Akot. Dist. Akola**

Department of History

**Value Added Course**

**Modi Lipi**

**2018 -2019**



### **Aims of Course**

- MODI was one of the most important scripts of medieval Maharashtra.
- All historical documents of Ch. Shivaji Maharaj and Peshwas are written in MODI.
- MODI is like a short hand.
- Earlier, in Maharashtra, documents regarding Land Revenue, Judiciary, Justice, Donation of Land (Dan-Patra), Religious matters, Property matters (e.g. matters between brothers), Jahagir vatan, Military orders (Farmane) etc. were written in MODI. Research of these medieval documents is not possible without having proper knowledge of MODI script.
- All these documents are kept at archives like Peshwas Daftar, Deccan College and Bharat Itihas Sanshodhan Mandal in Pune. But MODI readers are not available easily nowadays.
- One of the specialties of MODI is you can write words together without lifting your hand with which you are writing.

**Principal**  
**Shri Shivaji Arts, Commerce & Science College, Akot**  
**Dist. Akola (Maharashtra)**  
**Number of Seats - 150**

### **Eligibility of Course**

2. Anyone who can write and read.

### **Fee Structure**

No Fee

### **Examination**

1. End of Course 80 Marks Paper
2. Minimum 40 Percentage Passing
3. 20 Marks Internal

### **Future scope**

A student of history deciphers modi script, interpretes old modi documents and transcripts modi documents into devnagari for research purpose.

### **Course Coordinator**

Dr. Prashant P. Kothe  
Head Department Of History  
Mb-9822461416



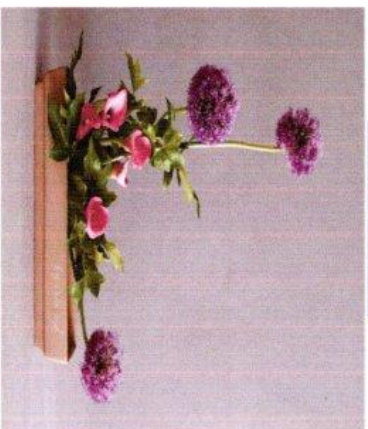


**Shri Shivaji Arts, Commerce &  
Science College, Akot, Dist. Akola**

Department of Home Economics

## **Value Added Course Flower Arrangement.**

**2018-2019**



### **Introduction :**

Flower arrangements are an important part of the ambience on any occasion weddings, birthdays, parties, or any other events in life. Flower arrangements is an organization of design and color towards creating an ambience using flowers, foliage and other floral accessories.

### **Aims Of Course**

- 1) To develop skill of Flower Arrangement.
- 2) To Provide appropriate knowledge of Flower Arrangement.
- 3) The student will understand of various Techniques of Flower Arrangement.

**Number Of Seats - 30**

### **Time Table**

Day	Time
Thursday	8.00 to 10.00am
Friday	8.00 to 10.00am
Saturday	8.00 to 10.00am

### **Fee Structure**

No Fee

### **Flower Arrangement**

#### **Syllabus**

- 1) Introduction, Definition, History of Flower Arrangement.
- 2) To need materials for and accessories for Flower Arrangement.
- 3) Types of Flower Arrangement.
- 4) Principle of design applied to Flower Arrangement, color, forms, line, balance.
- 5) Practical of Flower Arrangement.

### **Examination**

1. End Of Course 50 Marks Paper
2. Minimum 40 Percentage of Passing

### **Course Coordinator**

Prof. Swati S. Vaidya  
Head Department Of Home  
Economics  
Mb-9881416869

#### CAREER OPPORTUNITIES

- Water Purifier industries
- Water Analysis related Sector
- Self-employment



COURSE VENUE

DEPARTMENT OF ZOOLOGY

SHRI SHIVAJI ARTS COMMERCE AND SCIENCE COLLEGE, AKOT



SHRI SHIVAJI ARTS COMMERCE AND  
SCIENCE COLLEGE, AKOT

DIST. AKOLA, MAHARASHTRA

### INFORMATION BROCHURE

(VALUE ADDED PROGRAM)

CERTIFICATE COURSE

IN

DRINKING WATER ANALYSIS

@

DEPARTMENT OF ZOOLOGY

SHRI SHIVAJI ARTS COMMERCE AND SCIENCE COLLEGE, AKOT

Principal  
Shri Shivaji Arts, Commerce  
& Science College, Akot  
Dist. Akola (Maharashtra)

#### COURSE DESCRIPTION

Shri. Shivaji Arts, Commerce and Science College, Akot is one of the reputed institute from Akola District of Maharashtra. This college provides the education at Under Graduate, Post Graduate and Research (Ph.D.) Level. College decided to introduce certificate courses under Value Added Program (VAP) on self-financed basis. The Department of Zoology launched Value Added Program- Water Analysis in June 2015. The Water Analysis program is designed to analyze the drinking water properties to standards in health concerned. Drinking water quality standards describes the quality parameters set for drinking water.

Duration: 32 Hours

Eligibility: B.Sc. (Zoology) Student of this college

Course Fees: Free

Intake Capacity: 25 Students

#### Application Procedure:

- ✓ Available at College Office
- ✓ 2 copies of Passport size Photographs
- ✓ College Identity Card
- ✓ Aadhaar Card

#### Highlights:

- ✓ Expert Faculties
- ✓ Exposure to Fishery Industries
- ✓ In-hand Experience
- ✓ Industrial Visits

Head  
Department of Zoology  
Shri Shivaji Arts, Commerce and  
Science College, Akot

#### COURSE SYLLABUS

##### Module I

- 1.1. Important of access safe drinking water
- 1.2. Different drinking water resources
- 1.3. Access to potable water
- 1.4. Health aspects

##### Module II

- 2.1. Water quality and Drinking water standards
- 2.2. Identifying the hazardous substances
- 2.3. Water treatment
- 2.4. Laws and regulations

##### Module III

- 3.1. Sample collection & preservation
- 3.2. Water Salinity, Turbidity and Colour
- 3.3. Water BOD & COD
- 3.4. Water Conductivity and Total Dissolved Solids


##### Module IV

- 4.1. Calcium & Magnesium Content of water
- 4.2. Total Hardness of Water
- 4.3. Dissolved oxygen, Hydrogen Sulfide
- 4.4. Phosphorous, Nitrates and Nitrites


Principal  
Shri Shivaji Arts, Commerce &  
Science College, Akot

**Rush for limited seats !  
More than just a course !!  
Be a talented expertise !!!**



<p><b>Intake capacity:-</b> 10 students</p> <p><b>Eligibility:-</b> The students will selected for the admission to this course by testing their voice and selected students will given admission to this course.</p> <p><b>Duration of Course:-</b> 3 Months</p> <p><b>Exam:-</b></p> <p>Practical Test of the participating students will be taken for this course. Practical Test will be taken in the month of September.</p> <p><b>Course Coordinator:</b></p> <p>Dr. Sopan S. Watare Head Department of Music</p> <p>Mob.no.832959929</p>		<div data-bbox="1002 331 1050 398" data-label="Image"></div> <div data-bbox="1225 315 1294 421" data-label="Image"></div> <p><b>Shri Shivaji Arts, Commerce, And Science College, Akot</b></p> <p><b>Department- Music</b></p> <p>Value Added Course Presentation of Patriotic Song</p> <p>2018-19</p> <p><i>(Signature)</i> Principal Shri Shivaji Arts, Commerce &amp; Science College, Akot Dist. Akola (Maharashtra)</p>
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<p><b>Preface</b></p> <p><b>National unity essential for a strong and well organized country. Music plays an important role in maintaining national unity. Equality, freedom and universal brotherhood are all included in music.</b></p> <p><b>Aims:-</b></p> <ol style="list-style-type: none"> <li>1) To develop performing skill among the students and to encourage a participation in the wide range of performance activities likely to be found in the community.</li> <li>2) To Provide appropriate knowledge and develop appropriate skill as a basis of further study</li> </ol> <p><b>Objectives:-</b></p> <ol style="list-style-type: none"> <li>1) The students will gain further knowledge and skill in Music</li> <li>2) Students will gain additional knowledge and understanding of composition, Techniques and performance style in order to gain the skill and ability of presenting Patriotic song for the students of B. A. Music the course of "Presentation skill in Music" is started in this academic year 2017-18 by the department of music. These selected students will guided by the Professors in the department and experts. This course will help to develop the skills of presentation of Patriotic song in the students.</li> </ol>	<p><b>Department- Music Presentation of Patriotic Song Syllabus</b></p> <ol style="list-style-type: none"> <li>1) Indian Patriotic song should be composed in following Ragas and Talas. (15 Marks) <ul style="list-style-type: none"> <li>A) Name of Ragas:- (15 Marks) <ol style="list-style-type: none"> <li>1) Bhupali 2) Deshkar 3) Bilawal 4) Des 5) Shankara</li> </ol> </li> <li>B) Name of Talas <ol style="list-style-type: none"> <li>1) Keharwa</li> <li>2) Dadra</li> <li>3) Keharwa (Western beat)</li> </ol> </li> </ul> </li> <li>2) Hindi, Marathi Patriotic Songs as follows:- (20 Marks) <p><b>Hindi Patriotic Songs</b></p> <ol style="list-style-type: none"> <li>1) सारे जहा से अच्छा</li> <li>2) हम होंगे कामयाब</li> <li>3) ए मेरे प्यारे वतन</li> <li>4) इन्साफ कि डागर पे</li> <li>4) ए मेरे वतन के लोगो</li> </ol> </li> </ol>	<p><b>Marathi Patriotic Songs</b></p> <ol style="list-style-type: none"> <li>1) गे मायभू तुझे मी</li> <li>2) गर्जा महाराष्ट्र माझा</li> <li>3) जयोस्तुते</li> <li>4) उठा राष्ट्रावर हो</li> <li>4) या दाही दिशा</li> </ol> <p>-----</p>
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<p><b>Shri Shivaji Education Society, Amravati's</b>  <b>Shri Shivaji Arts, Commerce &amp; Science College, Akot, Dist. Akola</b></p>  <p><b>Department of English offers Value Added Courses</b></p> <ol style="list-style-type: none"> <li>1. Spoken Skills in English</li> <li>2. English for Competitive Exam</li> </ol> <p>2018-2019</p>	<p><b>About Department of English :</b></p> <p>Teaching staff of the English department is efficient and studious, working with zeal for brightening the academic career of the students. A rich library is the soul of the college and so our college has a rich and well facilitated library to pacify the thirst for knowledge. The college with all its potential and capacity strives for the welfare of the students and provide them quality education to make them able to face the challenges of the new globalized world.</p> <p><b>Aims of Course :</b></p> <ul style="list-style-type: none"> <li>➤ Spoken Skills in English are very important for every student</li> <li>➤ In many fields like Companies, Govt. Offices, Banks, etc. you need communication skills to communicate.</li> <li>➤ A Spoken Skills in English helps you to increase your self-confidences and also make your personality better than others.</li> <li>➤ By this Course you can learn How to communicate with the people around you and How to make a good influence on them.</li> </ul> <p><i>(Signature)</i>  Principal</p>	<ul style="list-style-type: none"> <li>➤ Most of the students try competitive exams after their graduation, So this course helps them to build their self-confidence.</li> <li>➤ In many interviews of IPS &amp; IAS examiner ask questions in English, many students failed in the interview. That's way English is most important in any big interview.</li> </ul> <p><b>Eligibility of Course :</b></p> <p>Admitted students in any degree.</p> <p><b>Fee Structure:</b> No Fee</p> <p><b>Examination:</b> At the end of course (50 marks)</p> <p><b>Future scope:</b></p> <ul style="list-style-type: none"> <li>➤ A student who knows Communication skills can get a better job quickly and live a better life than others.</li> <li>➤ The Course helps students to pass Competitive Exam</li> </ul> <p><b>Duration of Course :</b> 3 Months</p> <p><b>Number of Sheets:</b> 30</p> <p><b>Course Coordinator</b>  <b>Mr. Sagar Ingle</b>  <b>Mob. : 9763607510</b></p>
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Shri Shivaji Arts, Commerce & Science College, Akot, Dist. Akola (Maharashtra)



Shri shivaji Arts, Commerce and  
Science College Akot Distt. Akola

Department of Political Science  
Certificate course in Human Right

Session  
2018-2019

• **The Department of**

**Political Science** is a part and parcel of College and always encourages to students. The department always provides platform to the students.

Department runs the "Human Rights certificate course"

• **About education :-**

Dept. of political Science to wide spread all over the concept of "Human Rights" so dept. has Started this Course. The Conception of Human Rights Act is for Developing human mind and its most important for Today's life.

• **Eligibility :-** The intake Capacity of this course is- 20

• **Aims :-** i) This course is useful for workers who are Working in Non-Government organization. The course would increase the frontiers of the knowledge in the field.

ii) This course is useful for the Branches of law, Social Science and social work.

iii) This course is useful for the Students of mass communication and Journalism, reporter in daily news Paper and etc.

• **Duration:-** The duration of this course is six months or 30 hours from the admission date to exam. The distribution of Marks is as follows it has 300 marks and each paper has 100 marks 80 for theory and 20 for internal assessment.

• **Teaching method :-** The lectures

are conducted in spare time and holidays, during the lectures time, Faculty used following tools follow as

i) Group discussion ii) examples iii) question and answer iv) Images.

• **Eligibility :-** Admitted students are liable for taking admission to that course ( any branches - Arts, Commerce and Science )

• **Fee of this course :-** This course is run by free of Cost

• **Medium:-** Students can use Marathi Language for writing paper.

• **Final Exam. :-** The paper has 80 Marks and minimum scoring of 40 marks is Mandatory.

• **Certificate:-** The students who would complete the Course Success fully are liable for certificate.

• **Contact :-** Head of Dept. of Political Science is a Co-ordinator of this programmer.

Contact Number of Prof. G. S. Virkar  
9922692378

Gmail ID virkargajanan@gmail.com

**GO GREEN : THERE IS NO PLANET 'B'**

**Co-ordinator**

Dr. G. B. Andhale

**Teaching Staff:**

Dr. S. V. Kolhe

Dr. M. M. Dhore

Prof. R.M. Mankar

FOR MORE DETAILS, PLEASE CONTACT  
9764938065, 9637483337

**HURRY THERE ARE LIMITED SEATS!!!**



**Shri Shivaji Arts, Commerce & Science College,  
Akot, Dist. Akola**

**INFORMATION BROCHURE**

**Value Added Course**

**ENVIRONMENTAL MANAGEMENT**



**Principal**  
**Shri Shivaji Arts, Commerce  
& Science College, Akot**  
**Dist. Akola (Maharashtra)**



### **COURSE DESCRIPTION:**

The Department of Chemistry decided to introduce certificate courses under Value Added Program on self-financed basis from June 2017. The environmental management program is designed to provide students with the tools and techniques to navigate the business aspects of environmental management. Students learn to assess and convey the business, ethical and legal information to those who make or are affected by the decisions that shape our natural resources and environment.

**Duration:** 30 Hours

**Eligibility:** B.Sc. I year

**Course fees:** Free

**Number of Seats:** 25 students

**Application Procedure:**

- Form Available at Chemistry Department
- Photograph
- Mark sheet of B.Sc. I year

**Examination:**

- 30 Marks paper
- 20 Marks practical & Field work

### **FUTURE SCOPE:**

Upon completion of the program, students will be able to:

- Apply key terminology, facts, concepts, principles, historical perspectives and theories concerning environmental management and global sustainability toward solving environmental challenges.
- Align sustainability initiatives with organization mission and core values.
- Manage environmental-related risk from an organization's operation.
- Identify environmental hazards affecting air, water and soil quality.
- Assess environmental-related risk.
- Develop controls to reduce or eliminate risk.
- Employ project management processes and analytical tools to achieve a sustainable outcome to environmental problems.
- Conduct environmental research and communicate risk from an organization's operations.
- Research scientific, engineering, economic, and congressional information for statutory, regulatory and sustainable approaches to environmental problems.
- Prepare technical papers/briefings to communicate risk/solutions to stakeholders.

## TURNING IDEAS INTO ACTION!!

### CO-ORDINATOR:

DR. Ravi M. Junde

### Teaching Staff:

Dr. S. H. Pande

Dr. P. P. Kothre

Prof. U. T. Bhatti

For more Details Please Contact : 9421752707, 9730197954

**ONLY THREE ARE LIMITED SEATS!!**



**Shri Shivaji Arts, Commerce & Science College,  
Akot, Dist. Akola**

### INFORMATION BROCHURE

**Value Added Course**

**IN EVENT MANAGEMENT**



*(Signature)*  
Principal

Shri Shivaji Arts, Commerce  
& Science College, Akot  
Dist. Akola (Maharashtra)

### COURSE DESCRIPTION

Events are increasingly a crucial part of any brand or customer experience, complementing and balancing the shift to digital and online. They are also fun, colourful, people centred happenings that deliver the best of human engagement and experience. Everything from the Olympics to your wedding, from Glastonbury to a product launch or corporate conference, from a party to a funeral... all of life's experiences are captured by events. But only the best of them are memorable or effective and that is where your skill and qualification as an event manager will come in. Could this be your career?

**Duration:** 30 Hours

**Eligibility:** 12<sup>th</sup> pass

**Course fees:** Free

**Number of Seats:** 25 students

#### Application Procedure:

- Form Available at Chemistry Department
- Photograph
- Mark sheet of B.Sc. I year

#### Examination:

- 30 Marks paper
- 20 Marks practical & Field work

### Content of the course will include:

- The skills and knowledge needed to be prepared for a career in the event industry
- Key marketing tools for researching, planning and managing events
- The combination of a simple marketing strategy and a review of past examples to contrast and compare with your own
- How to measure and evaluate the success and ROI of an event
- Objective setting and an introduction to strategic planning
- Public relations and its importance to events
- Typical event manager and client roles and responsibilities
- Project management tools including budgets, action plans, project plans, production schedules, key milestones, reporting systems, agendas
- Venue sourcing and management
- Client account management
- Budget management and contracts, terms and conditions
- Risk management and the importance of Health and Safety
- How to work as part of a team

### Course characteristics

- Provide you with the range of options encountered when producing and marketing an event
- Enable you to identify how events fit within business, charitable and social environments
- Highlight how events are utilised by organisations and explain why they provide valuable marketing and communication tools
- Equip you with tools and skills to produce an event that meets a specific brief.



### Syllabus

- Unite 1 Library Management
- Unite 2 Organizational structure/  
Departmentalization
- Unite 3 Stack- Taking /Library Rules
- Unite 4 Maintenance of Library Materials/  
Preservation Of Library Materials
- Unite 5 Annual Report/ Budget.



*Shri Shivaji Arts, Commerce & Science*


*College, Akot Dist. Akola*

Department of Library

Value Added program

LIBRARY MANAGEMENT

Academic Year- 2018-2019

  
Principal  
Shri Shivaji Arts, Commerce  
& Science College, Akot  
Dist. Akola (Maharashtra)

Intake Capacity : 40 Participants

Eligibility : The Participants has been selected for value added program for **LIBRARY MANAGEMENT** those who are interested reading books

Specific : The main purpose of this program is to manage library daily operation efficiently

Duration of program : 30 hours

Day	Time
Monday	4.00 pm to 5.00 pm
Tuesday	4.00 pm to 5.00 pm
Wednesday	4.00 pm to 5.00 pm
Thursday	4.00 pm to 5.00 pm
Friday	4.00 pm to 5.00 pm
Saturday	4.00 pm to 5.00 pm

Course Co-Ordinator  
Miss. M.M.Deshmukh  
(Librarian)

### OBJECTIVE:

Explain the meaning and purpose of management;

Describe managerial functions or elements of management and their importance and limitations

Describe the meaning and functions of organizational structure

Understand the meaning of Management Information System

Know the advantages and benefits of Management Information System

Explain the need for planning a library building.

Describe some of the standards and specifications necessary for physical planning of a library

## Syllabus

### व्यावहारिक मराठी

भाग 1. स्वपरिचय पत्र नोकरीसाठी अर्जलेखन

भाग 2. कार्यालयीन पत्रव्यवहार

भाग 3. निविदा सूचना

भाग 4. जाहिरात लेखन

भाग 5. निमंत्रणपत्रिका व कार्यक्रमपत्रिका

भाग 6. माहिती पत्रक



Shri Shivaji Art's, Commerce and  
Science College, Akot Dist-Akola

Department of Marathi

Value Added Course

2018-2019

*Shri Shivaji Art's, Commerce  
& Science College, Akot Dist-Akola*  
Principal

**Intake Capacity : 25 Participants**

**Eligibility :** The Participants has been  
selected for B.A. III years.

**Specific :** In Academic session 2018-  
2019 Value Added Course has been  
conducted for all Students. In this  
camp, 12 womens and 13 mens has  
showed their participation.

**Duration of Course :** 01 Months  
**July 05 days, Aug. 05 days & Sept.05  
days 2017**

**Total 30 Hours.**

**Morning shift - 1 Hours**  
**10.am To 11.00 am**

**Course Co-Ordinator -**  
**Dr. V. V, Tayade**

**Importants:-** विद्यार्थ्यांना मराठी विषयासोबतच दैनंदिन  
व्यावहारात उपयोगात येत असलेल्या ज्ञानाचा परिचय व्हावा तसेच  
त्यांनी नोकरी करताना त्याचा वापर करता यावा म्हणून व्यावहारिक  
अभ्यासक्रम असा एक महिन्याचा कोर्स मराठी विभागाच्या वतीने  
आयोजित करण्यात आला आहे. यामध्ये विद्यार्थ्यांना नोकरीसाठी  
अर्ज लेखन, कार्यालयीन पत्रव्यवहार, जाहिरात लेखन, निमंत्रण  
पत्रिका व कार्यक्रम पत्रिका इत्यादी विषय शिकविण्यात येतील.  
विद्यार्थ्यांना मराठी विषयाचे व्यावहारिक ज्ञान करणे हा महत्वाचा  
हेतू या कोर्समागे आहे.

### Aim:

1. विद्यार्थ्यांमध्ये व्यावहारिक मराठी भाषेची सर्जनशीलता  
विकसित करणे व त्यांच्या व्यक्तिमत्त्वाचा विकास करणे.
2. विद्यार्थ्यांमध्ये मराठी भाषेची समृद्ध जाण निर्माण करणे.
3. नोकरी करीत असताना व्यावहारिक मराठी या विषयाचे  
उपयोजनाचे कौशल्य विकसित करणे.
4. व्यावहारिक मराठी या विषयाचे व्यवहारज्ञान प्राप्त करून  
देत असताना उपलब्ध असलेल्या संधीची माहिती अवगत  
करून देणे.



#### Important Particulars -

- Nature of N.S.S. :- Social service scheme for students sponsored by Ministry of Youth Affairs and Sports, Government of India for the undergraduate students.
- Birth of N.S.S. :- September, 1969 during Gandhi centenary year and during 4th Five year plan 1969-74.
- iii) Year of Establishment in college :- 1974
- Moto of N.S.S. :- Not me, But you.
- Goal of N.S.S. :- Education through community service and community service through education.
- vi) Obligation of N.S.S. Volunteers :- To work for two continued years along with their studies, putting in 120 hours service each year and participating in one Special Camping Programme.
- Pride of N.S.S. Volunteers :- N.S.S. Badge and N.S.S. certificate which will stand volunteers in good stand in future career. 5 additional marks will be given for the 120 hours of N.S.S. Activity and 1 marks for Special Camp.
- viii) Principal Elements in N.S.S. :- There are four principal elements in the N.S.S. Programme Process. The students, the teachers the community and the programme.
- viii) Programme of N.S.S. :- Two fold programme : Regular activities and Special Camping.
- ix) N.S.S. Programme is flexible with no rigidity. Any useful programme in the light of the need of the community & the occasion can be taken up in consultation with the university.
- x) Special camping :- Camping is an important activity of N.S.S. special camps are held at the college level for 7 days duration winter breaks in rural areas. The normal strength of a camp is 50% of total sanctioned strength. Campers enjoy the camp life, learn the virtues of good citizenship and render service to the community.

#### STUDENTS STRENGTH FOR REGULAR ACTIVITIES

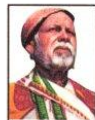
##### Volunteers

Boys	100
Girls	100
Total	200

### Sant Gadge Baba Amravati University Amravati

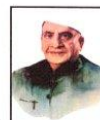
Shri Shivaji Education Society, Amravati's

Shri Shivaji Art's, Commerce & Science College, Akot



Department of NSS

National Service Scheme



#### NSS ACTIVITIES



2018-2019

Principal  
Shri Shivaji Arts, Commerce  
& Science College, Akot  
Dist. Akola (Maharashtra)

#### SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI (NATIONAL SERVICE SCHEME)

##### Basic Concepts -

The overall aim of NSS as envisaged earlier, is to give an extension dimension to the higher education system and orient the student youth to community service while they are studying in educational institution. He educated youth who are expected to take the reins of administration in future are found to be unaware of the problems of the village/slum community and in certain cases are indifferent towards their needs and problems. Therefore it is necessary to arouse the social conscience of the students, and to provide them an opportunity to work with the people in the villages and slums. It is felt that their interaction with the common villages and slum dwellers will expose them to the realities of life and bring about a change in their social perception.

##### Objectives -

- i) Understand the community in which they work.
  - ii) Understand themselves in relation to their community.
- Identify the needs and problems of the community and involve them in problem solving process.
  - Develop among themselves a sense of social and civic responsibility.
  - Utilize their knowledge in finding practical solution to individual and community problems.
  - Develop competence required for group-living and sharing of responsibilities.
  - Acquire leadership qualities and democratic attitude.
  - Develop capacity to meet emergencies and natural disasters.
  - Practice national integration and social harmony.

##### The Motto -

The motto of the N.S.S. is "NOT ME BUT YOU". This expresses the essence of democratic living and upholds the need for selfless service and appreciation of the other man's point of view and also to show consideration for fellow human beings. It underlines that the welfare of an individual is ultimately dependent on the welfare of society as a whole. Therefore it should be the aim of the NSS to demonstrate this motto in its day-to-day programme.



##### NSS Symbol -

The symbol of the National Service Scheme is based on the "Rath" wheel of the Konark, Sun Temple of Orissa. These giant wheels of the Sun Temple portray the cycle of creation, preservation and release and signify the movement in life across time and space. The design of the symbol, a simplified then progressive cycle of life. It stands for continuity as well as change and implies on the part of the NSS for continuous striving forward for social transformation and uplift.

##### NSS Badge -

The N.S.S. Symbol is embossed on N.S.S. Badge. The N.S.S. volunteers wear it while undertaking various community programmes of community service. There are 24 wheels in 'Rath' of Sun Temple of Konark. Each wheel has eight bars, which represents 8 Prahars of day. Hence the badge reminds the wearer to be in readiness for service of the nation round the clock i.e. for 24 hours or 8 prahars. The red colour in the badge indicates that the NSS volunteers are full of blood, i.e. lively, active and spirited. The navy blue colour indicates the cosmos of which the NSS is a tiny part ready to contribute its share for the welfare of the mankind.



Shri Shivaji Education Society, Amravati's

**Shri Shivaji Arts, Commerce & Science College, Akot. Dist. Akola**

Department of NCC



**2018 -2019**



**Coordinator**

**Capt. Dr. Prashant P. Kothe**

Head Department of History

Mob-9822461416

Principal  
Shri Shivaji Arts, Commerce & Science College, Akot  
Dist. Akola (Maharashtra)

## INTRODUCTION

**Historical Background:-** N.C.C. is a member of international youth organization. This is purely voluntary organization and is largest youth organization in world. In our educational system N.C.C. has a unique importance. During the first and second world wars, there was a great shortage of officers to lead the troupes into combat, so The British Indian Government appointed a committee to make necessary recommendation for the formation of cadet corps organization. The recommendation of the committee was placed before the Legislative Assembly on 13 March 1948.

The N.C.C. came into being by an Act of Parliament (Act No. 11 of 1948) designated The N.C.C. act 1948 and so the N.C.C. was formed on 15<sup>th</sup> July 1948 Bulk of the N.C.C. Strength which consists of Army wing boys units was raised all over the country in 1948-49. The girls division was raised in 1949. Air wings came into being in 1950 & the Naval in 1952. Today N.C.C. is the largest youth organization in the world with strength of 11.63 lakh cadets spread all over India through 16 State Directorates, 91 Group HQs 754 BNS, and 19,837 Institutes (Schools and Colleges). Our Institute is one of them. Since pride must set in deeply and the same is cultivated through producing Quality N.C.C. image. There fore our Motto is "UNITY AND DISCIPLINE".

## MOTTO UNITY & DISCIPLINE AIMS OF NCC

To develop character, comradeship, discipline, leadership, secular outlook, spirit of adventure and the ideals of selfless-service amongst the youth of the country.

To create a human resource of organized, trained and motivated youth to provide leadership in all walks of life and always available for the service of the nation.

To provide a suitable environment to motivate the youth to take up a career in the armed forces.

## CARDINALS OF NCC

- ❖ OBEY WITH SMILE
- ❖ BE PUNCTUAL
- ❖ WORK HARD AND WITHOUT FUSS
- ❖ MAKE NO EXCUSES AND TELL NO LIES

**Students Strength : 70**

## CERTIFICATE

### B' CERT EXAMINATION

**Eligibility:-**

- 1] He must be a First year cadet
- 2] His attendance must be of 75%
- 3] He must attend at least one camp

## CERTIFICATE

### 'C' CERT EXAMINATION

**Eligibility:-**

- 1] He must be a Second year cadet.
- 2] His attendance must be above 75%
- 3] He must pass the 'B' cert Examination.
- 4] He must have attended minimum two camps.

**BLOCK SYLLABUS OF SD/SW YEAR 2014-2015**

### Time Plan

Nos of Month : 09  
Nos of week : 36  
Nos of Prade day : 02 Days per week  
Nos of Period perday : 03

Total no of Period : 216

### Prade Timing

1<sup>ST</sup> : 0700 to 0740  
2<sup>nd</sup> : 0745 to 0825  
3<sup>rd</sup> : 0830 to 0910

### Training Aids

1. Computer Slides, Charts, Pointer, Black board & Chalk.

### Time Plan

2. (a) Introduction - 05 Min
- (b) Aims of NCC - 15 Min
- (c) Objectives of NCC - 15 Min
- (d) Conclusion - 05 Min

### Curricular Activities



- Special Camps
- Independence Day
- NCC Day
- Republic Day
- Organized by Annual Training Camp
- CAREER GUIDANCE FOR NCC CADT.

### Extension Activities

- Blood Donation
- Cycle Rally ('Oil conservation drive' save petrol/oil & save Girl )
- Female Foeticide Rally
- Ram - Rahim jodo Abhiyan
- Pulse Polio Drive
- Tree Plantation Programme
- Bandobast Duty
- Plastic Remo Programme

### TRAINING PROGRAMME 11 MAH BN NCC AKOLA

#### Training Syllabus

INDEX THE NCC				
Sr No	Lesson Code	Subject	Cat	Page No
1	N 1	Aims and Objectives of NCC	SD/SW	03
2	N 2	Organisation, Training and NCC Song	SD/SW	05
3	N 3	Incentives	SD/SW	09

Sr No	Lesson Code	Subject	Page No
1	N	The NCC	2
2	NI	National Integration	14
3	FD/AD/CD	Drill	49
4	WT	Weapon Training	97
5	DM	Disaster Management	122
6	SA	Social Awareness & Community Development	157
7	H	Health & Hygiene	213
8	EA	Environment Awareness and Conservation	261
9	ADV	Adventure	284
10	OT	Obstacle Training	302
11	P	Personality Development	309



**Shri Shivaji Education Society, Amravati's**  
**Shri Shivaji Arts, Commerce & Science College,**  
**Akot, Maharashtra state – 444 101**  
(Affiliated to Sant Gadge Baba Amravati University, Amravati)



This is to certify that, Mr./ Miss. \_\_\_\_\_ has  
successfully completed the Certificate course in \_\_\_\_\_ run by Department of  
\_\_\_\_\_ under the Value Added Programme in academic year 20\_\_ -20\_\_.

He / She has secured the grade \_\_\_\_\_

With Best Compliments.

Date :

Place: Akot

\_\_\_\_\_

Course coordinator

Dr. A. L. Kulat

Principal

# NATIONAL SERVICE SCHEME



SPONSORED BY

GOVERNMENT OF INDIA

MINISTRY OF YOUTH AFFAIRS AND SPORTS

NEW DELHI

AND

STATE NSS CELL DEPTT. OF HIGHER & TECH. EDUCATION

GOVERNMENT OF MAHARASHTRA, MUMBAI.



## SANT GADGE BABA AMRAVATI UNIVERSITY

# CERTIFICATE

This is to certify that

Mr. /Mrs./Ms. \_\_\_\_\_

Son/Daughter/Wife of \_\_\_\_\_

Class \_\_\_\_\_ Name of College \_\_\_\_\_

has undergone and completed two years of N.S.S. activities from the academic  
years \_\_\_\_\_ to \_\_\_\_\_ He / She has also

attended 7 days residential camp at \_\_\_\_\_

\_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_

under special camping programme and has done satisfactory work. His / Her

Volunteer Enrolment No. MH-03 \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

PRINCIPAL

DIRECTOR  
NATIONAL SERVICE SCHEME

VICE-CHANCELLOR

Date : \_\_\_\_\_



GRADING : B



LCPL GANESH R. NRUPNARAYAN

प्रमाणपत्र  
CERTIFICATE

सं. No. MAH/SD/15/137369 रैंक Rank LCPL  
नाम Name GANESH NRUPNARAYAN सुपुत्र/सुपुत्री Son/Daughter of RAJESH NRUPNARAYAN  
यूनिट Unit 11 MAH BN NCC, AKOLA जन्म तिथि Date of Birth 27-08-1997

राष्ट्रीय कैडेट कोर निदेशालय

NCC Directorate MAHARASHTRA OTE

प्रमाणित किया जाता है कि ऊपरलिखित कैडेट ने रक्षा मंत्रालय, भारत सरकार के प्राधिकार के अधीन सन् 20..... में हुई प्रमाणपत्र परीक्षा पास कर ली है।

This is to certify that the above mentioned Cadet has passed the Certificate "B" Examination held in 2017.

under the authority of Ministry of Defence, Government of India.

क्र. सं.

Ser. No.

स्थान

Place AMRAVATI

दिनांक

Date 25 Sep 2017

अपर महानिदेशक, राष्ट्रीय कैडेट कोर  
Addl. Director General, National Cadet Corps

उप-महानिदेशक, राष्ट्रीय कैडेट कोर  
Dy. Director General, National Cadet Corps



#### CAREER OPPORTUNITIES

- Fish food production industries
- Fishery related Sector
- Self-employment



COURSE VENUE

DEPARTMENT OF ZOOLOGY

SHRI SHIVAJI ARTS COMMERCE AND SCIENCE COLLEGE, AKOT



SHRI SHIVAJI ARTS COMMERCE AND  
SCIENCE COLLEGE, AKOT

DIST. AKOLA, MAHARASHTRA

### INFORMATION BROCHURE

(VALUE ADDED PROGRAM)

CERTIFICATE COURSE

IN

FISH FEED & FEEDING

@

DEPARTMENT OF ZOOLOGY

SHRI SHIVAJI ARTS COMMERCE AND SCIENCE COLLEGE, AKOT

Shri Shivaji Arts, Commerce  
& Science College, Akot  
Dist. Akola (Maharashtra)

#### COURSE DESCRIPTION

Shri. Shivaji Arts, Commerce and Science College, Akot is one of the reputed institute from Akola District of Maharashtra. This college provides the education at Under Graduate, Post Graduate and Research (Ph.D.) Level. College decided to introduce certificate courses under Value Added Program (VAP) on self-financed basis. The Department of Zoology launched Value Added Program- Fish Feed Formulation in June 2015. The program of Fish Feed Formulation is designed to learn the Manufacturing of commercial fish feed that enabling the fish to feed efficiently and grow to their full potential. This program is designed to made the students self-sufficient with professional skills to improve employability.

**Duration:** 32 Hours

**Eligibility:** B.Sc. (Zoology) Student of this college

**Course Fees:** Free

**Intake Capacity:** 25 Students

#### Application Procedure:

- ✓ Available at College Office
- ✓ 2 copies of Passport size Photographs
- ✓ College Identity Card
- ✓ Aadhaar Card

#### Highlights:

- ✓ Expert Faculties
- ✓ Exposure to Fishery Industries
- ✓ In-hand Experience
- ✓ Industrial Visits

  
Head  
Department of Zoology  
Shri Shivaji Arts, Commerce and  
Science College, Akot

#### COURSE HIGHLIGHTS

##### Module 1

- 1.1. Economic importance of fishes
- 1.2. Types of fish feed and feeding pattern
- 1.3. Major nutrients in fish food
- 1.4. Nutrition and fish quality

##### Module 2

- 2.1. Digestion and metabolism
- 2.2. Intermediary Metabolism
- 2.3. Nutrient and Energy Utilization
- 2.4. Alternative nutrient sources

##### Module 3

- 3.1. Aqua-feed and environment
- 3.2. Feed Ingredients
- 3.3. Feed Formulation
- 3.4. Feed Manufacturing / Formulation

##### Module 4

- 4.1. Larval and adult feeding
- 4.2. Natural Foods
- 4.3. Feeding Schedules
- 4.4. Feeding Frequency

  
Principal  
Shri Shivaji Arts, Commerce &  
Science College, Akot

**Rush for limited seats !  
More than just a course !!  
Be a talented expertise !!!**