

N.S.S College Nilamel

Annual Report 2016-2017

- Name of the college – N.S.S COLLEGE, NILAMEL
- Place of the college : Nilamel
- District - Kollam
- State : Kerala
- Year of establishment of college - 1964
- Name of Principal – Dr. C Sunilkumar

The Principal's Report

It is the great pleasure in presenting the Annual Report of N.S.S College, Nilamel established on 1964 documenting its progress and success. The College operates admission to the students by Online a centralized system of admission in the university. In all the courses of both UG and PG the students can get admission through online process. The college offers 11 UG , 02 PG and a PhD Programmes duly affiliated to the University and approved by the Department of Higher Education. The college plans and organized the teaching learning, continues evaluation process, Project Work and examination schedules as per the curriculum issued by the university and approved by Department of Higher Education. College brings to being good results in the university both in UG and PG. The college has well qualified and competent faculties, have attended Faculty development programmes like orientation and refresher program in various universities

University Examination Results – April/May 2017

Degree	Subject in detail	No. of appeared	No of passed	Percentage of pass
BA	Malayalam	52	12	23.08%
	English	32	21	65.63%
	History	49	20	40.82%
	Economics	51	17	33.33%
BSc	Mathematics	46	31	67.36%
	Physics	28	14	50.00%
	Chemistry	28	9	32.14%
	Bio- Chemistry	18	9	50.00%
	Botany	24	12	50.00%
	Zoology	28	20	71.43%
B.Com	Commerce	65	37	56.92%
	MA	19	18	94.74%
	M.Com	19	19	100%

List of Teachers who has attended various Faculty Development Programmes

Year	Number of teachers who attended	Title of the professional development program	Date and Duration (from – to)
2016-17	Ajayakumar.S	Orientation course	15-11-2016 to 12-12-2016
	Vani Jyothi	Orientation course	04-01-2017 to 31-1-2017
	Athira.C.J	Orientation course	10-08-2016 to 6-9-2016
	Geetha R Nair	Refresher course	2-12-2016 to 22-12-2016
	R.Rajesh	Refresher course	18-10-2016 to 7-11-2016
	SyamKumar.SU	Orientation course	10-8-2016 to 6-9-2016
	Anila.L	Refresher course	2-2-2017 to 22-2-2017
	Vidhu.V.L	Special winter school	16-2-2017 to 8-3-2017

List of programmes conducted

<i>Sl. No</i>	<i>Department</i>	<i>Programme</i>	<i>Date Conducted</i>
1.	Zoology	<i>World Mosquito Day</i>	<i>20/08/16</i>
2.		<i>International Ozone Day Celebrations</i>	<i>30/09/16</i>
3.		<i>Dr Salim Ali Day</i>	<i>11/10/2016</i>
4.		<i>World Mental Health Day Celebrations</i>	<i>16/10/16</i>
5.		<i>Urjakiran Conservation Rally & Awareness</i>	<i>14/12/16 & 27/02/17</i>
6.		<i>Wetlands Day Celebrations</i>	<i>14/02/17</i>
7.		<i>Talk on Bee Keeping</i>	<i>14/03/17</i>
8.	Biochemistry	<i>Seminar on "Life style Diseases and its Management</i>	<i>24/09/16</i>
9.		<i>One day Seminar on Topics: (i) Scope and Applications of Biochemistry (ii) An orientation to “Higher studies and job opportunities in</i>	<i>22-03-2017</i>

		Biochemistry	
10.		Workshop on Electrophoretic technique	28-03-2017
11.	English	Counselling session-Stress buster	
12.		Ethnic food festival	
13.		College youth festival	
14.		Career Guidance	
15.	Commerce	One day workshop on “Mushroom Cultivation	16/07/2016
16.	Economics	RESEARCH METHODOLOGY – Basic concepts	11/11/16
17.	Botany	World Environment Day	05/06/16
18.		International year of pulses	15/09/16
19.		World Forest Day celebration	21/03/17
20.		World water day celebration	
21.	Malayalam	Vaikom Mohammad Basheer remembrance	July 2016
22.		Kesavadev remembrance	July 4th 2016
23.		Kerala Piravi Day Celebrations	01/11/16
24.	Department of History	A talk on ‘Ramakrishna mission and social renaissance in Kerala’	15/08/20
25.	NCC/NSS	International Blood Donation Day	14/06/16
26.		International Yoga Day	21/06/16

27.		<i>Anti-Drug abuse day</i>	<i>26/06/16</i>
28.		<i>Independence Day Celebrations</i>	<i>15/08/16</i>
29.		<i>Onam Celebrations</i>	
30.		<i>Teachers Day</i>	<i>05/09/16</i>
31.		<i>World's AIDS Day</i>	<i>01/12/16</i>
32.		<i>Gandhi Jayanthi- Suchitwa Pledge</i>	<i>02/10/16</i>

Activity Report 2016-2017

DEPARTMENT OF ZOOLOGY

NSS COLLEGE, NILAMEL

REPORT OF SEMINARS WORKSHOPS & RALLY 2016-17

1. WORLD MOSQUITO DAY 2016

Date: 20-08- 2016

Mosquitoes are World's deadliest animals as they are responsible for the transmission of many medically important pathogens and parasites such as viruses, bacteria, protozoans, which cause serious diseases like malaria, dengue, yellow fever, encephalitis or filariasis. World Mosquito Day, observed annually on 20 August, is a memory of British Dr. Sir Ronald Ross's discovery in 1897 that female mosquitoes transmit malaria between humans. It laid foundations for scientists across the World to understand the deadly role of mosquitoes in disease transmission and come up with effective innovative interventions.

An awareness programme based on the topic "Significance of Mosquitoes in the Current Scenario" was organized in association with "World Mosquito Day". The function presided by Dr. Muraleedharan Nair, Principal-in Charge, began with prayer by First semester students and Acharyanusmaranam. Dr. Asha.V.G, HoD, Dept. of Zoology, welcomed the gathering and after presidential address Dr. Rajeevan R, PTA Secretary felicitated the gathering.

The keynote address was delivered by Mr. Joy John, Health Inspector, Public Health Centre, Madavoor, Kollam District. In his talk, he mentioned in detail about various mosquito borne diseases and their control measures. Mr. Joy John pointed that since 2014, major outbreaks of dengue, malaria, chikungunya have afflicted populations, claimed lives, and overwhelmed health systems in many countries. Program brought an awareness among the 80 above students of Department regarding the need to control such epidemic and most importantly waste management. Dr. Suresh Chandra Kurup, Assistant Professor, Department of Zoology gave away the vote of thanks and the program ended by 1.30 pm.

Number of participants : 74



Prayer



*Dr. Muraleedharan Nair, Principal-in Charge
with Presidential address*



*Mr. Joy John, Health Inspector, Public Health
Centre, Madavoor*



Dr. Suresh Chandra Kurup - Vote of thanks



2. INTERNATIONAL OZONE DAY CELEBRATION 2016

Date: 30-09-2016

Funding : Kerala State Council For Science Technology And Environment (KSCSTE), Government of Kerala

Department of Zoology in association with Kerala State Council for Science, technology and Environment, Govt. Of Kerala organized the Ozone Day Celebrations on 30-09-2016. The Focal theme for this year's celebrations was "Ozone and Climate: restored by a World United". The welcome speech was delivered by Dr. Asha. V G, HoD of Zoology and presidential address by Principal Dr. C. Sunilkumar. In the presidential address, Principal stressed the need of such environment awareness programs among students. The program was inaugurated by the chief guest Dr. P.S. Chandramohan, Former Principal, College of Engineering, Thiruvananthapuram. Students who won in the essay and poster designing competitions conducted in association with the Ozone Day Celebrations were awarded with prizes.

During the technical session, Dr. P.S. Chandramohan gave an elaborate description about ozone depletion and the formation of ozone hole. He gave a glimpse of the different layers of atmosphere, nature of ozone in troposphere and stratosphere, chemistry of ozone depletion, causes for ozone depletion and the different methods to reduce ozone depletion. Vote of thanks was delivered by Dr. Suresh Chandrakurup, Asst. Professor, Dept. of Zoology. The programme ended by 12.45 pm.



Number of participants : 89



Dr. P.S. Chandramohan

3. DR. SALIM ALI DAY 2016

Date: 11-10-2016

Dr. Salim Ali, one of the greatest ornithologists and naturalists is commonly known as the "birdman of India" as his research work is considered as highly influential in the development of ornithology. He has conducted an array of survey regarding migratory, wetland and common birds and his contributions in taxonomy of birds are so enormous.



Dr. Salim Ali Day 2016 was celebrated in our department on 11-10- 2016. This programme was jointly organized by WWF-India and Dept. of Zoology. The inaugural session began with prayer and Acharyanusmaranam. As Dr. Suresh Chandra Kurup, Assistant Professor, Department of Zoology welcomed the guests, Dr. Asha. V.G delivered the presidential address. IQAC convenor, Dr. V.C.S. Kumar felicitated the program.

Technical sessions:

SI No	Resource Person	Topic
1	Mr. A.K.Sivakumar, Senior education Officer, WWF- India	"Birding- Why, How, When, Who"
2	Mr. Govind, Volunteer, WWF- India	"Common birds of kerala"
3	Mr. A.K.Sivakumar, Senior education Officer, WWF-	"E-Birding"

Mrs. Deepasree, Guest lecturer, Department of Zoology gave away the vote of thanks. The program concluded by 3.30 pm.

Number of participants : 62



4. WORLD MENTAL HEALTH DAY CELEBRATIONS 2016

Date: 16-10-2016

Mental health and stability is a very important factor in a person's everyday life. The World Health Organisation celebrates World Mental Health Day on 10 October annually. This year's theme set by the World Federation for Mental Health is "Psychological First Aid" and the support people can provide to those in distress.

Department of Zoology organized an awareness class as part of the celebration with the aim of raising awareness of mental health issues among the students. The program began with a prayer followed by Acharyanusmaranam. Dr. Asha.V.G, HoD, Dept. of Zoology welcomed the guests and Dr. C. Sunil Kumar, Principal, delivered the presidential address. In the presidential address, Sir elaborated various cases which culminated in suicide and such tragedies. The chief Guest & Resource person Dr. Mridula Nair, Principal, AKMAS College, is a well-known psychologist and motivational trainer.

During technical session various points highlighting desire for greater autonomy, pressure to conform with peers and increased access to and use of technology were pointed out. Social skills, behavioural skills, and someone's way of thinking are just some of the things that the human brain develops at an early age. Learning how to interact with others and how to focus on certain subjects are essential lessons to learn from the time. She also pointed out various ways by which students can evade stress in today's strenuous life. Ms. Ragi, VI sem student gave away the vote of thanks. The programme ended by 12.30 PM.

Number of participants : 75



Dr. C. Sunil Kumar, Principal,



Ms. Ragi; Vote of Thanks



5. URJAKIRAN ENERGY CONSERVATION RALLY 2016

Date : 14-12-2016

Funding: Centre for Environment & Development, Kerala in association with Energy Management Centre, Government of Kerala

The National Energy Conservation Day is being celebrated every year on December 14 since 1991. Various activities including poster preparation, rallies, public speech, street drama were conducted nationwide.

Centre for Environment & Development, Kerala is recognized as a Centre of Excellence in Environment Management for Sustainable Development. Energy Management Centre –

Kerala (EMC) invites proposals from interested Non Governmental Organizations (NGO) and other Academic/R&D Institutions of Kerala experienced in providing services to facilitate Energy Conservation Awareness Campaign (URJA KIRAN). The objective of the program is to create awareness among the general public and equip them for efficient management of all forms of energy, to promote energy efficiency and energy conservation and to develop new sources of energy as well as novel energy technologies with a view to increasing production and facilitating the use of energy on a sustainable basis. As our department was also selected in this venture the URJA KIRAN – Energy awareness campaign was organized.

In association with “National Energy Conservation Day” an energy conservation rally was organized by Dept. Of Zoology in the Nilamel Panchayath of Chadayamangalam Assembly constituency. The chief guest of the function was Smt. Keralakumary Teacher, Member, Nilamel Panchayath and flagged off the rally. Dr. C. Sunil kumar, Principal inaugurated the rally and addressed the participants. Students of Department of Zoology and members of science club participated in the rally with placards highlighting Energy Conservation Slogans. Rally benefited in exhibiting the slogans to the public in Nilamel junction.

Number of participants : 74



6. WETLANDS DAY CELEBRATIONS 2017

Date : 14-02-2017

Funding: Kerala State Council For Science Technology And Environment (KSCSTE), Government of Kerala.

Wetlands are indispensable for the countless benefits or “ecosystem services” that they provide humanity, ranging from freshwater supply, food and building materials, and biodiversity, to flood control, groundwater recharge, and climate change mitigation.

World Wetlands Day Celebrations were organized by the Dept. Of Zoology and sponsored by KSCSTE. The function was Presided by Dr. Asha.V.G, HoD, Department of Zoology. Dr. Chitra Som R.S,



Asst. Professor, welcomed the audience and Dr. Rajeevan, Principal-in Charge inaugurated the function.

The technical session was taken by Mr. Renjan Mathew Varghese, State Director, WWF-India, Kerala State Office. He narrated examples from Kerala scenario about human exploitations like Methran kayal, land reclamation for Aranmula Airport etc. Conservation should be given top priority for sustenance of our environment. He also pointed out the major threats to our wetlands include tourism, sand mining, pollution, pesticide usage and unsustainable use of our water bodies. These anthropogenic impacts main cause of all these is man who didn't bother at all about the significance of wetlands. Mr. Renjan also asked the students to do follow up activities in wetland conservation. The program had 88 participants and ended up by 1.15pm.

Number of participants : 66



7. URJAKIRAN 2016-17

Date : 27-02-2017

Funding: Centre for Environment & Development, Kerala in association with Energy Management Centre, Government of Kerala

We people waste a lot of energy in our daily usage either by not turning the lights off when not in use or by utilizing old and inefficient appliances that consume large amount of energy or by not switching off the vehicle engine when the light is really long. Energy needs to be conserved not only to cut costs but also to preserve the resources for longer use. As our Department was selected as agency for conducting URJAKIRAN – An Energy conservation awareness campaign funded by CED (EMC-Kerala), a Workshop was organized.

Inaugural session started at 10 Am with prayer and acharyanusmaranam. Dr. Sreerag R. S Assistant Professor, Department of Zoology (Program Coordinator) welcomed the gathering. The function was presided by Dr. Asha.V.G, HoD, Department of Zoology and Inaugurated by

Smt. Kerala kumary teacher, Member of Nilamel Panchayath. Need of energy conservation especially electrical energy in house hold appliances was highlighted by all speakers. Dr. R. Ambika Devi, Principal in Charge felicitated the function.

Technical sessions-

Sl. No.	Resource Person	Topic
1	Sri. Prema Chandra Bhas, Chief Electrical Inspector (Rtd), Govt. of Kerala	"Electrical safety"
2	Smt. Geetha. R.Nair, HoD, Dept. of Botany, NSS College	"Energy conservation".
3	"Varaprasadam " - Short film	

Number of participants : 82



Short film presentation



Smt. Kerala kumary teacher, Member of Nilamel Panchayath



Dr. R. Ambika Devi, Principal in Charge



8. INVITED TALK ON “BEEKEEPING”

Date : 14-03-2017

Honey bee provides honey, which is the most valuable nutritional food and also the bee wax which is used in many industries, including cosmetics industries, polishing industries, pharmaceutical industries, etc. Honey bees are the best pollinating agents which help in increasing the yield of several crops. As per Curriculum VIth Semester students have an elective course named “Economic Zoology - Vermiculture and Apiculture’ in which they learn the basic procedure and methodology of apiculture & vermiculture.

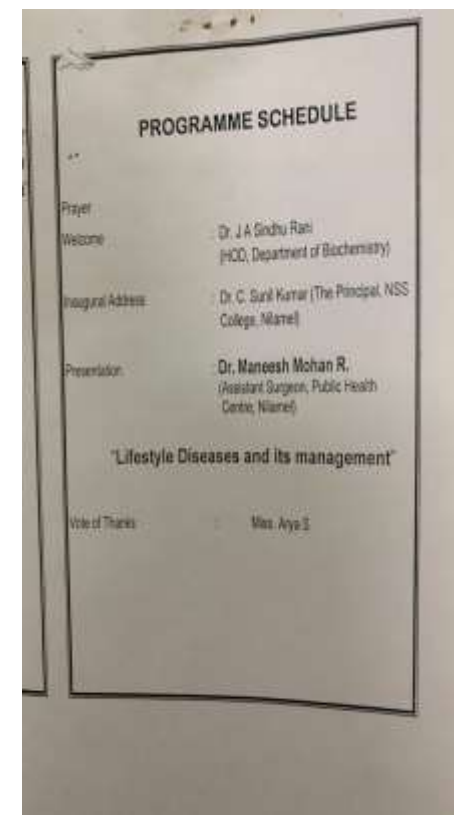
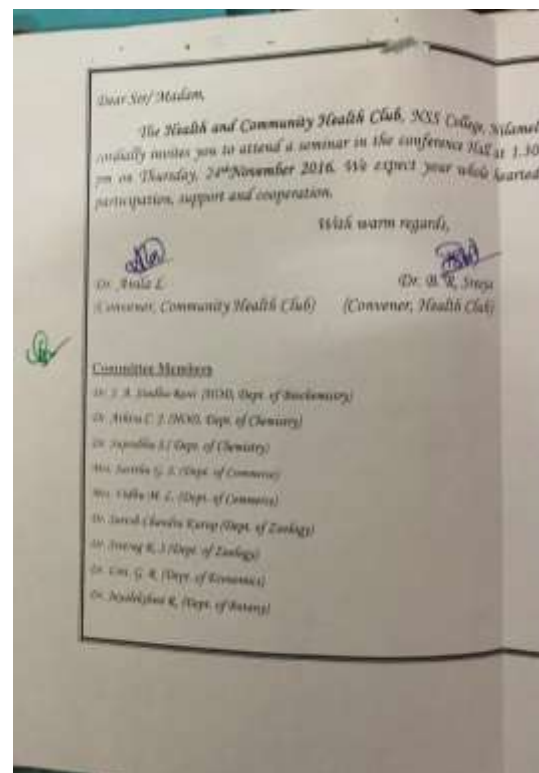
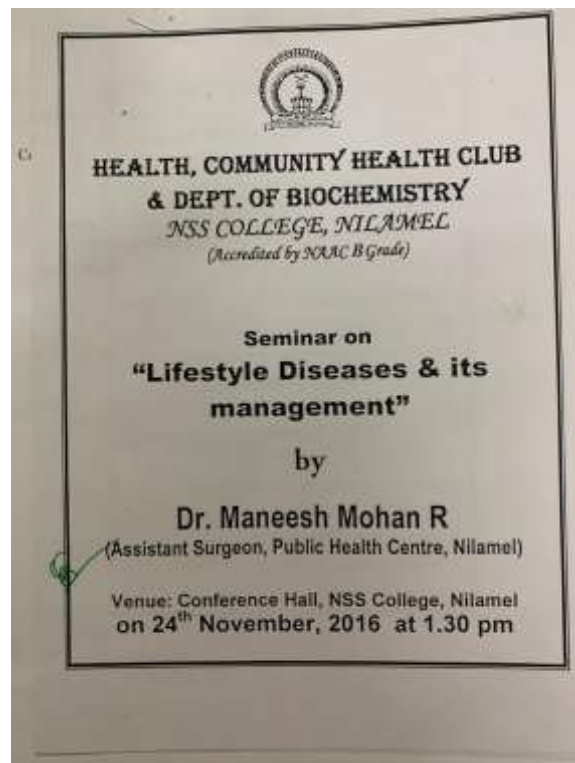
An invited talk on the Topic “Beekeeping” was organized by our Department to make students more enthusiastic in this topic. Mr. B Sunil, Divisional Engineer, Kerala Agro Industries Corporation, Kottarakara, a well known speaker and agricultural trainer was the resource person. He shared handful experiences about beekeeping, social behavior of bees, different types of hives equipment used in apiculture, importance of honey, and its medicinal properties.

Number of participants : 77

Department of Biochemistry Activity Report 2016- 2017

Seminar on "Life style Diseases and its Management by Dr. Maneesh Mohan. R. C (Assistant Surgeon, Public Health Centre, Nilamel)

A Seminar on Lifestyle diseases and Management was conducted on Seminar hall on 24th November 2016 at 1.30 pm. Dr. Maneesh Mohan presented the topic. Dr. J.A. Sindhu Rani, HOD, Dept. of Biochemistry delivered welcome speech - Our respected Principal Dr. C. Sunil Kumar inaugurated the function and vole of Thanks by Anya: S (1 DC Biochemistry). Doctor presented the types of life style diseases including occupational life style descarm, keeping students fit for a better tomorrow. He discussed the consequences, characteristics, causes and control of Life style diseases. He gave certain important tips to prevent Lifestyle diseases.



An orientation program to “**Higher studies and job opportunities in Biochemistry**”

Resource person : Miss. Teena Jacob.

A Seminar on Scope and applications of Biochemistry was conducted at seminar hall NSS College Nilamel on 22nd March 2017 at 10:30 AM. Miss Teena Jacob (Scientist, Rajiv Gandhu Centre for Biotechnology, TVPM) presented the topic. Dr. Anila. L, Assistant Professor, Dept. of Biochemistry delivered a welcome speech and function was presided over by Dr. J. A. Sindhu Rani, HOD, Dept. of Biochemistry. Our respected Principal Dr. C. Sunilkumar inagurated the seminar. Dr. Ambika Devi (College Council Secretary and Dr. R. Rajeevan College PTA Secretary delivered the felicitation speech. She discussed the meaning and scope of Biochemistry. Importance of Biochemistry in Medical Sciences, what are the scope of studying Biochemistry, Applications of Biochemistry in agriculture, Job prospectus, Institute where biochemical research works were going on. Students actively participated in discussions. Miss. Athira S (II DC Biochemistry delivered vote of thanks.



Workshop on Electrophoretic technique on 28-03-2017

Mrs. Sarala Devi, Technician, Medical College, Thiruvananthapuram handled a workshop on electrophoretic techniques to the students of Biochemistry. The programme was started with welcome speech by Dr. Sindhu Rani J A, Head of the Dept of Department Biochemistry. Dr. Anila L, Assistant Professor, Department Biochemistry gave an introduction about the topic "Electrophoresis technique" to the students, and Electrophoresis was a topic in the Curriculum. First demonstrated the Electrophoresis unit, parts, electrophoretic apparatus and casted gel then applied the sample. Students were given training on electrophoresis techniques, This training gave them a practical knowledge for their higher studies and future projects Dr. Anila L delivered the vote of thanks



Department of English, Activity report 2016-2017.

Counselling session-Stress buster.

Students are under constant pressure to perform and excel. Some of them find it really difficult to cope with this pressure. Keeping this in mind, the Department of English organised a counselling session for the students. The counselling session began with a welcome address by the head of the department. The session, led by Dr Justin Padamadan, was filled with energy and enthusiasm. Students actively participated in the session and were eager to participate in the role play workshop in the afternoon. The session concluded with students sharing their experience.



Ethnic food festival.

Kerala is a land of rich cuisines from north to south, where each region can boast of a rich tradition of culinary history. As students of language and literature who explore different cultural narratives, exploration into the rich culinary history of the land was an entralling experience. Students prepared dishes and explained the cultural experience behind these dishes.



Department of Botany, Activity Report 2016-17

World Environment Day with the support of Kerala State Council For Science Technology & Environment (KSCSTE) organized one week programmes on June 7th, 8th, & 9th 2016.

Planting of Saplings



Interdepartmental Quiz competition was held on June 8th



Seminar Series



Resource person : Sri. Sasidharan Pillai
(Deputy Development Commissioner &
Secretary SIRD)

International year of pulses

On 15 th November 2016, an Exhibition cum Food Fest and Seminar was conducted in connection with the International year of pulses 2016. The seminar was “Pulses –Nutrition for a Sustainable Future”, the resource person was **Dr Pradeep (HOD & Associate Professor, NSS College, Vazhoor, MG University).**



Interdepartmental debate competition



World Forest Day celebration

As part of student enrichment programme, World Forest Day is celebrated on 21/03/2017. Principal Dr C Sunil Kumar delivered the inaugural address. Chief guest **Dr Malini Nilamudeen (Soil Conservation Officer, IWDM-K, Chadayamangalam)** delivered a speech on “**Agroforestry for climate change mitigation**”. Students circled the trees and took pledge on protecting the trees



World water day celebration -On World Water day, our department took water conservation pledge to save water



Fabric Painting -Hands on training programme on fabric painting were given to the students of our department on 25/03/2017. Dr Parvathy Menon (Former HOD, Department of Botany, MG College, Thiruvananthapuram) handled the class



Department of Commerce, Activity Report 2016-17

In Association with Krishi Bhavan Nilamel One day workshop on “Mushroom Cultivation” 16th July 2016

The process of mushroom cultivation was elaborated to the students. Mushroom farming consists of six steps, and although the divisions are somewhat arbitrary, these steps identify what is needed to form a production system. The six steps are Phase I composting, Phase II composting, spawning, casing, pinning, and cropping. Different sacks were carried to discuss the stages of cultivation,



