



**HKBK College of Engineering,**

**S. No. 22/1, Nagawara, Bangalore-560045.**

**National Services Scheme**

**One Year Report**

**2015-16**

*S. Arshad Pasha*

**Dr. S. Arshad Pasha**

**NSS Program officer**

**N.S.S. Programme Officer**

**HKBK College of Engineering**

**S.No.22/1, Opp. Manyata Tech Park,**

**BANGALORE - 560 045**

*Dr. Chaitanya Kumar M. V.*

**Dr. Chaitanya Kumar M. V.**

**Principal,**

**Dr. CHAITANYA KUMAR M.V.**

**Principal, HKBK College of Engg.,**

**22/1, Nagawara, Bangalore-560045**

**Karnataka, India**

**HKBK COLLEGE OF ENGINEERING**  
Approved by AICTE & Affiliated to VTU



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Dated: 19.09.2015

To,  
Dr. Bujurke  
NSS, Program Co-ordinator  
VTU, Belgaum.

Dear Sir,

Subject : Instructions regarding conducting of "Save environment, Waste Management and Terrace Gardening".

With reference to the above mention subject I am to state that the HKBKCE NSS Unit conducted a workshop about "Save environment, Waste Management and Terrace Gardening". More 100 NSS volunteers took part in the workshop on 18<sup>th</sup> Sep 2015. Details of report have given in next pages.

This is for your kind reference and possessed.

Principal

Dr. CHAITANYA KUMAR M.V.  
Principal, HKBK College of Engineering,  
22/1, Nagawara, Bangalore-560045  
Karnataka, India



HKBK/427/2015-16

19.09.2015

## **Save Environment Waste Management & Terrace Gardening**

HKBK College of Engineering – NSS Unit has organized a workshop on “Organic Terrace Gardening and Waste Management.” 18<sup>th</sup> September 2015.

The inauguration began with Qirat and lighting of lamp. Dr. Chaitanya Kumar M. V., Principal, HKBKCE addressed the gathering by highlighting on the importance, necessity of waste management & terrace gardening.

This workshop was taken as a small step to get away from the concrete jungle back to the city known for its pleasant weather and lush greenery.

Through ORGANIC TERRACE GARDENING and WASTE MANAGEMENT WORKSHOP by Prof. Priya Rathod, Asst. Professor, Department of Computer Science Engineering and Dr. S Arshad Pasha, NSS Program officer.

Prof. Priya Rathod made the gardening simple by her valuable knowledge sharing. She gave a brief introduction on how present situation affects people:

- Breast milk fed to a baby by her mother had contents of pesticides because of present farming techniques with pesticides.
- Green revolution in Punjab led to many cancer patients.
- Pesticide residue makes things to get worse in plants.

Followed by introduction to waste management techniques like:

- Bio gas plant
- Making composts for plants by decomposing kitchen waste.

Dr. S. Arshad Pasha NSS Program officer briefed about each step beautifully with respect to starting a garden.

### **How is the soil?**

Observe how soil is – is it alive and fertile with earthworms? Live soil need to have micro-bacteria content. Otherwise, pesticides and lack of moisture will spoil it. Most of decomposition / degeneration will be done by micro-bacteria which forms the top soil. Earthworm does a beautiful task. It keeps penetrating down below earth and comes up at night. Due to this many pores are formed in soil, which traps rain water and acts as storage for plants. They even decompose dead plants!

### **What do we want to grow?**

We need to find what category of plant we need – Perennial (e.g. Lemon – long term ones), Biennials (eg. Banana /Papaya – 9 months to grow) or short term (vegetables). Again, vegetable plant will have different types – Root based (carrot, beetroot, radish), Greens (Meethi, Spinach, Cabbage), Surface type (Tomato, Brinjal), Runners (cucumber). Usually runners can't be done in terrace as it requires more soil for support.

### **How to take care of planted saplings?**

Water them on daily basis based on required quantity on morning so that throughout day time it can work out with photosynthesis. Manure can be added on weekly basis. Re-potting has to be done every 6 month period as some soil may have construction debris which hardens soil on long run. Sometimes, controlled environment like green house, glass house facilitates plant growth. Need to have proper drainage facility, so that while watering plants, the excess water can be washed out!

### **How to protect from pests?**

Good to have flowering plants like marigold in between vegetable plants so that pest will get attracted to colour plants. Also, Garlic / Pudina can be used as companion plants to resist pests. Neem oil spray can be used like 5-10ml of oil per litre of water mix can be sprayed on plants with pest. Sunlight will help out in killing pests after de-potting. No need to bother about red ants, spider as they are carrier for pollen grains and help pollination!! Jelly/ pebbles /stones are helpful in water storage. Also, coconut pit and organic manure can be used in terrace which is lot lighter than usual soil. Usually, it's a good practice to have 1 unit of coconut pit with 2 units of organic manure from vermi-composting.



Dr. S. Arshad Pasha  
NSS Program officer



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**Dr. CHAITANYA KUMAR M.V.**  
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# HKBK COLLEGE of ENGINEERING

22/1, Nagawara, Bangalore - 560 045, Approved by AICTE, Affiliated to VTU

Organized by

Department of Physical Education & NSS Unit



SAVE ENVIRONMENT

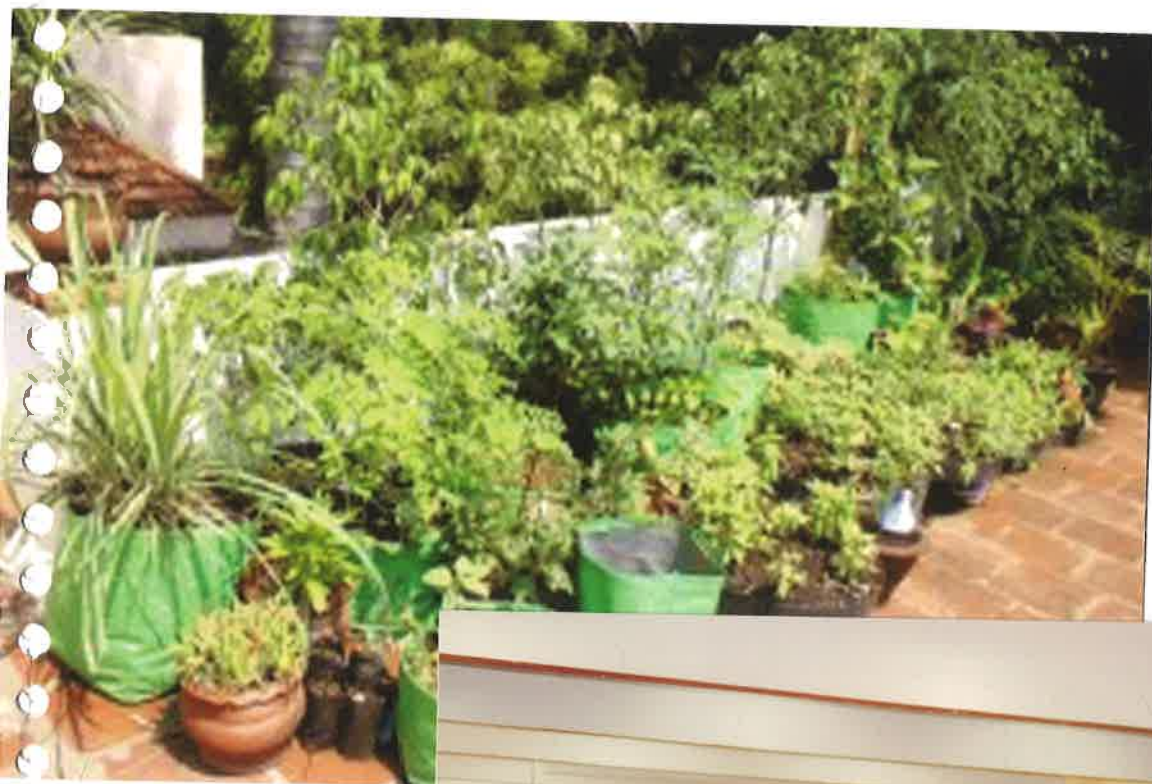
WASTE MANAGEMENT

ORGANIC TERRACE  
GARDENING



On 18<sup>th</sup> September 2016

Venue: New Seminar Hall, Prof. Zaheer Ahmed Block ('D' Block)



*Dr. S. Arshan Pasha*  
N.S.S. Programme Officer  
HKBK College of Engineering  
S.No.22/1, Opp. Marayana Tour Park,  
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HKBK/ 427/2015-16

01.04.2016

## NSS UNIT

### Seven Days Special camp report from 20 to 26 March, 2016.

#### First Day of Camp: 20-03-2016 (Sunday)

We have conducted unit leaders meeting at new seminar hall. Instructions given by Mr. C M Faiz Mohammed - Director, Dr. Chaitanya Kumar M V – Principal, other professors and Dr. S Arshad Pasha – Program officer NSS about the seven days special camp program from 20 to 26<sup>th</sup> March, 2016.

Also student leaders were given the program schedule and they are taken to various places where the activities going to be held.

#### Second Day of Camp: 21-03-2016 (Monday)

NSS Volunteers took part in second day of special camp sapling the plants behind Administrative block. Around 60 numbers of plants sapled , inaugurated by Principal, staff and NSS Volunteers

#### Third Day of Camp: 22-03-2016 (Tuesday)

We have conducted blood donation camp on 22<sup>nd</sup> March, 2016 for student's volunteers and staff member by Indian Red Cross Society, Karnataka Branch.

Dr. Arpitha Desai and Team form 9.00 am to 4.00 pm at new seminar hall (Prof. Zaheer Ahmed Block) around 230 students and staff took part in above said camp.

**Fourth & Fifth Day of Camp: 23 and 24<sup>th</sup> March -2016 (Wednesday & Thursday)**

We have conducted awareness program of Garbage cleaning with a BBMP official Mr. Ramakrishna – Asst. Engineer BBMP Bangalore along with local leaders Nagawara and also Prof. Mubarak Department of Civil, Prof. Soni M– Dept. of Electrical & Electronics, Prof. Archana – Dept. of CSE, Prof. Imtiyaz – Dept. of Electronics & Communication, Prof. Vijay Kumar – Dept. of Mechanical , Prof. Mujeer Ahmed – Dept. of Information Science and Dr. S Arshad Pasha – NSS Program officer and all students volunteers were present in two days. Our students volunteers and above said officials visited all the four places.

**Fourth day of camp visited 23.03.2016**

- a) ChandanaBadavane b) YellammaGudiBeedi

**Fifth day of camp visited 24.03.2016**

- a) A K Colony b) TCH College Road

**Sixth Day of Camp: 25-03-2016 (Friday)**

We have conducted cleaning program at TCH College road our student volunteers took part in cleaning work and dirt things lying on road spark with fire sixth day of special camp

**Seventh Day of Camp: 26-03-2016 (Friday)**

Our student volunteers took part in seventh day of special camp and awareness of program about Indian Constitution was conducted by Prof. Sumaya Banu Followed by cultural events by NSS Volunteers and at the valedictory function.



Dr. S. Arshad Pasha  
NSS Program officer



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Jean Henry Durant  
Founder  
1828-1916

# Indian Red Cross Society

## Karnataka State Branch

# 26, Red Cross Bhavan, 1st Floor, Race Course Road, Bengaluru - 560001.

080-1052 (Toll Free) / 22340844 / 22268435 / 22264205

E-mail : [ircskarnataka@yahoo.in](mailto:ircskarnataka@yahoo.in); [ircskar@gmail.com](mailto:ircskar@gmail.com); [ircskar@vsnl.net](mailto:ircskar@vsnl.net)

### Certificate of Appreciation

*This Certificate is presented to*

**NSS - HIKBK College of Engineering, Bangalore**

in recognition of the institution's outstanding efforts

in organizing Voluntary Blood Donation Camp on **22-03-2016**

This gesture will save thousands of lives.



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ಕರ್ನಾಟಕ ರಾಜ್ಯ ಶಾಖೆ

JGBL ಸಹಕಾರಿ

*[Signature]*

BASUR RAJEEV SHETTY

Chairman

*[Signature]*

MADHURA ASHOK KUMAR

Secretary

*[Signature]*

M. VANDANA GUPTA

Head

**ರಕ್ತ**

S. ASHOK KUMAR SHETTY

Coordinator

*[Signature]*

GOVERNOR

Secretary





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