

7.2 Best Practices

Best Practices 1:

Title: - Nurturing social responsibility among students.

Social Event: - 12th March 2015 “Inspirational Ramp-walk” of special children’s



Video Link:- <https://www.youtube.com/watch?v=yMof4bMZhKQ>

Social Event: 27th March 2015 “4 ceiling Fans donated to Jalaram matimand Vidyalay, Nashik”



Social Event: 3rd June 2015 “Visit to Adhar-Tirth,Nashik”



Social event: 7th July “Go Green” by "vasundhara" & "kirloskar group"

Video:-<https://www.youtube.com/watch?v=DHhaQgUTPwE>



Social event: 14th August 2016

The students gave their consent for donating eyes after death at Tulsi eye hospital, Nashik on the occasion of 69th Independence Day.



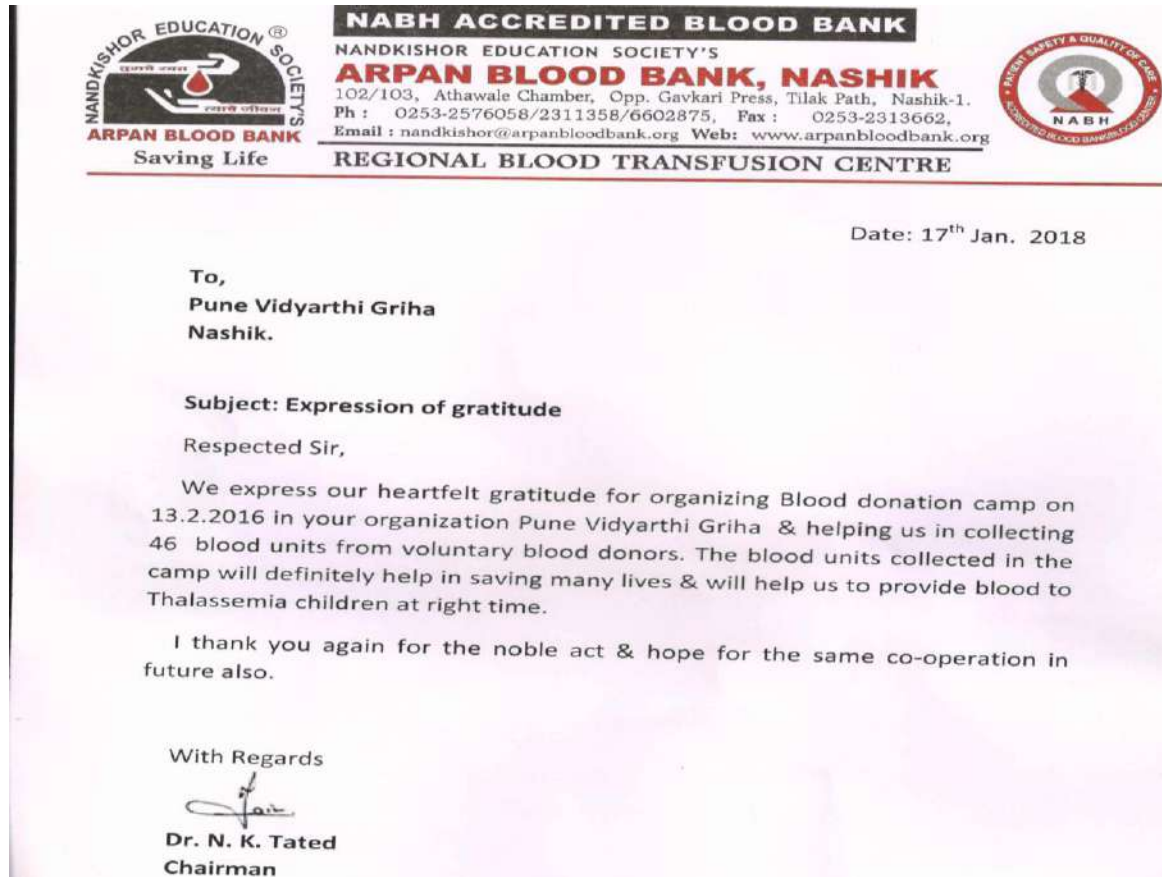
Social event: 30th October 2016

“Celebrated Diwali” by visiting a school situated at dhadosi, near trimbakeshwar, Nashik



Social event: 30th October 2016

Blood Donation camp



Blood Donation camp Event Apparition letter



Road Safety awareness event



Cleanliness Awareness

<https://www.youtube.com/watch?v=mF6WGfjhJoI>

Blood Donation MoU:

 ARPAN BLOOD BANK Saving Life	NABH ACCREDITED BLOOD BANK NANDKISHOR EDUCATION SOCIETY'S ARPAN BLOOD BANK, NASHIK 102/103, Athavale Chamber, Opp. Gavkari Press, Tilak Path, Nashik-1. Ph : 0253-2576058/2311358/6602875. Fax : 0253-2313662, Email : nandkishor@arpanbloodbank.org Web: www.arpanbloodbank.org	
REGIONAL BLOOD TRANSFUSION CENTRE		

Date : 16.01.2018

Part - I Pune Vidyarthi Griha Nashik.	Part - II Nandkishor Education Society's Arpan Blood Bank, Nashik Dr. Athavale Chambers, Tilak Path,
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This has been understood that **Part - I** and **Part - II** will mutually coordinate and cooperate with each other for the betterment of society as per following schedule.



A. Part - I will organize the Blood Donation camp of their employees and students or its all Units **Pune Vidyarthi Griha, Nashik.**


B. Part - II will coordinate and cooperate with **Part - II** in arranging and operating all the activities proposes by **Part- II** in and out the campus.

C. **Part - II** will provide following item in concessional Rates to the **Pune Vidyarthi Griha, Nashik, Employees** of the **Part - I** as per following table.

Sr. No.	Item	Rate
1.	Whole Blood (WB)	Rs. 350/-
2.	Packed Red Cells (PCV)	Rs. 350/-
3.	Fresh Frozen Plasma (FFP)	Rs. 350/-
4.	Cryoprecipitate	Rs. 350/-
5.	RDPC (Random Donor Platelets Count)	Rs. 350/-
6.	SDPC (Single Donor Platelets Count)	Rs. 8000/-

D. **Part-I and Part- II** are agree for above mention terms and condition on the Date on 16.01.2018.

Part - I Authorizes Signatory  Principal Pune Vidyarthi Griha Nashik.	Part-II Authorizes Signatory  Dr. Varsha Ugaonkar Executive Director Arpan Blood Bank, Nashik
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8805421483 - Kisan

[विशेष-ध. आ. (सं. सा. वि.) २-म.



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नोंदणीचे प्रमाणपत्र

याद्वारे प्रमाणपत्र देण्यात येते की, खाली वर्णन केलेली सार्वजनिक विश्वस्तव्यवस्था ही आज, मुंबई सार्वजनिक विश्वस्तव्यवस्था अधिनियम, १९५० (सन १९५० चा मुंबई अधिनियम क्रमांक २९) या अन्वये नाशिक येथील सार्वजनिक विश्वस्तव्यवस्था नोंदणी कार्यालयात योग्य रीतीने नोंदण्यात आलेली आहे.

सार्वजनिक विश्वस्तव्यवस्थेचे नाव एज्युकॉइन फाउंडेशन,

नाशिक

सार्वजनिक विश्वस्तव्यवस्थांच्या नोंदणी पुस्तकातील क्रमांक एक - १६०३४

निखिल संपतराव ठगे यांस प्रमाणपत्र दिले.

आज दिनांक २८/१०/२०१५ रोजी माझ्या सहीनिशी दिले.

शिक्का



सही
धर्मादाय उप आयुक्त
पदनाम नाशिक विभाग नाशिक.

Social event: 18th March 2016

“Educoin foundation” Inauguration ceremony



Social event: 15th July 2017 “Adoption Ceremony”

<https://www.youtube.com/watch?v=Wu126t3Py5Y>



Social Event: 19-October-2017

DEEPAM 2K17 "ILLUMINATING SMILES"



Event Date: 21-January-2018

“SANITARY PADS DONATION-2K18”



THE NATIONAL FEDERATION OF THE BLIND, MAHARASHTRA
VOCATIONAL TRAINING & REHABILITATION CENTRE FOR THE BLIND



Educoin Foundation
Potential Needs Opportunity.
Reg. no. - F16034
support@educoincan.org



Date :- 21/01/2018

Social Event Date: 16th Feb-2018

“Visit to Adharashram, Nashik”





Social Event Date: 23rd Feb-2018

“Visit to Orphanage school, Nashik”





Best Practice 2

Application based student projects

PR1.HYDRAULIC REGENERATIVE BRAKING SYSTEM (2013-14)



PR2: ADVANCE WIRE CUTTING MACHINE USING PLC (AY 2014-15)

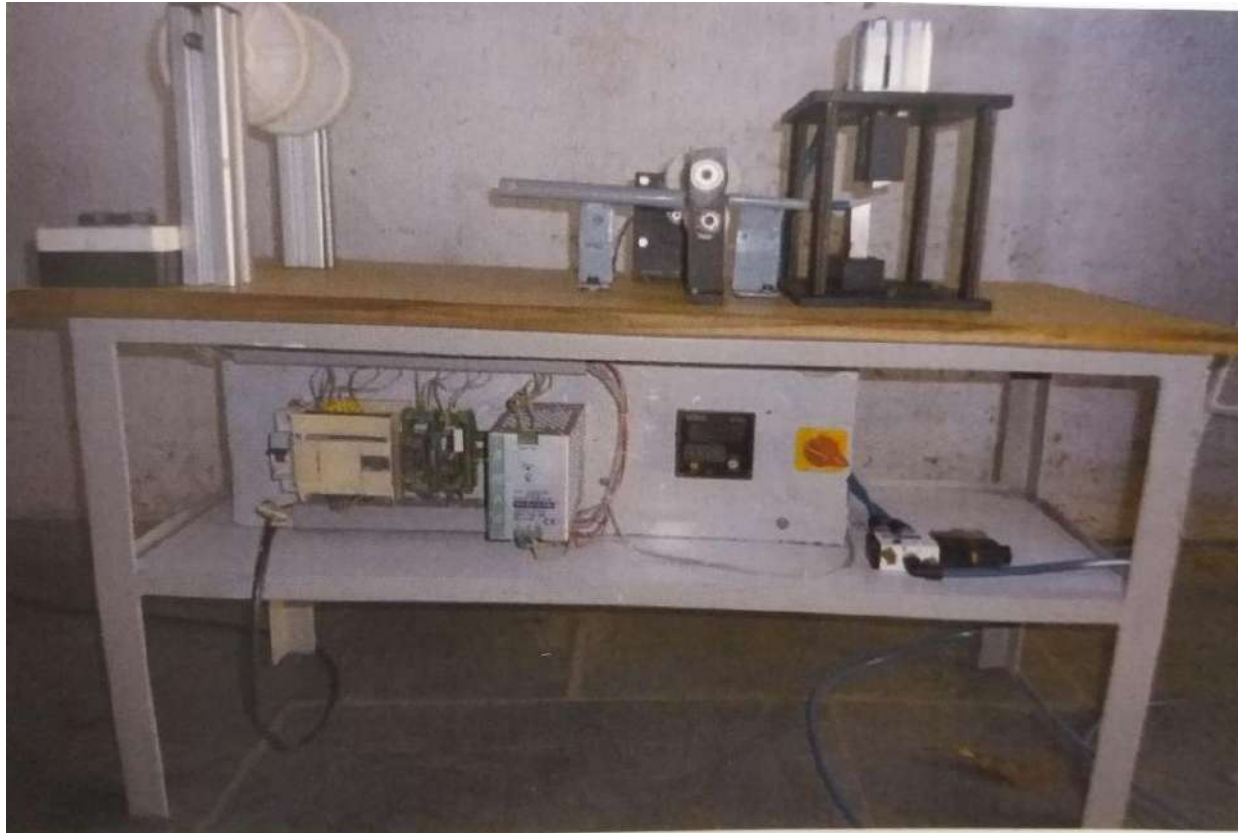


Fig 6.3: Integral construction of AWSM

PR3. TRACTOR ATTACHMENT FOR LAYING MULCHING PAPER IN FARM (2016-17)



PR4.Avishkar project: Powerless Discharge pump



Application based student projects.

SN	Academic Year	Name of the Branch	Title of the Project	Description
1	AY2013-14	Computer Engg	Urban Bus Monitoring System Using GPS	Design the intelligent urban bus vehicle positioning system and the end-user required to view the schedule, route and track the current GPS location of the bus in real time through a user friendly App.
2	AY2013-14	Computer Engg	Toll collection system by using RFID and cloud computing	Toll collection system used for collecting toll tax automatically, in this project the identification with the help of radio frequency and vehicle will hold an RFID tag and Automatic toll collection without waiting on toll plaza.
3	AY2014-15	Computer Engg	Automatic Evaluation of Descriptive Answers Using Pattern Matching Algorithm	Automatic Evaluation of descriptive answer would be beneficial for the universities, school and colleges for academic purpose by providing ease to faculties and the examination evaluation cell.
4	AY2014-15	Computer Engg	PH based water environment monitoring using Continuous search algorithm	project is the solution on the recent problem that occurring in the villages of India. Measure the toxicity of the water and Display levels of acidic water
5	AY2015-16	Computer Engg	Crop Monitoring Analysis and Controlling	Automation is the use of machines, control systems and information technologies to optimize productivity in the production of goods and delivery of services. Wireless communication technology so easy to use and move to any remote location.
6	AY2015-16	Computer Engg	Industrial Environmental Monitoring and Controlling using Android Application.	To provide secure environment for the people working in industry. The project is to acquire real-time parameters in industrial area like environmental temperature, LPG gas leakage detection, light intensity & boiler purity detectors all these parameters are remotely monitored
7	AY2016-17	Computer Engg	IOT based Smart stick for blind people	This Project aims at assisting blind person to move around without a stick and enable to recognize important objects. For blind peoples to detect obstacles.

8	AY2016-17	Computer Engg	IoT Based Wireless Multifunctional Robot for Military Applications	To help the military persons in monitoring war field and perform the various operations like diffusing the unexplode bomb, detect landmines, detect alive human on war field from the remote location.Application:-Land mines detection and Defused live bombs.
9	AY2013-14	E&TC Engg	EEG BASED MIND CONTROLLED CONTRIVANCES	To provide direct communication and control between the human brain and physical devices by translating different patterns of brain activity into commands in real time.
10	AY2013-14	E&TC Engg	AUTOMATIC BOTTLE FILLING SYSTEM USING PLC	To fill the bottles automatically without human interference using PLC based conveyor belt driving methods.The major application of the project is in the bottle filling industries to automate the process of filling the bottles.
11	AY2014-15	E&TC Engg	Power Generation through Speed Breaker with Auto Street Light	The kinetic energy possessed by vehicles is utilized to produce power by using a special arrangement call power hump which will be mounted on speed breaker. Whenever the vehicle passes over it power is generated which is then stored.
12	AY2014-15	E&TC Engg	Fire Alarm System	To detect the unwanted presence of fire by monitoring environmental changes associated with the combustion. Once the fire is detected the alarm has to be ring.
13	AY2015-16	E&TC Engg	Defense Casualty Detection and Protection	To minimize time to search and rescue the soldier in case of casualty. To provide medical service to injured soldier real time.
14	AY2015-16	E&TC Engg	Visible Light Communication Using Li-Fi	To transmit and receive data by using Visible Light from one system to another system. To design a full duplex system for data communication using Light Fidelity (LI-FI).
15	AY2015-16	E&TC Engg	Underwater Robot for Detection and Cleaning of Impurities Present In Water	To detect impurities present in water in the overhead tanks of municipalities. Once the impurities are detected it will removed by taking proper action.
16	AY2016-17	E&TC Engg	Implementation of E-Kanban system using PIC Microcontroller	To Study the role of E-Kanban in Production system to improve planning and production. • The Kanban system combined with good inventory practices smooths out inventory levels and eliminates carrying costs.
17	AY2016-17	E&TC Engg	WARRIOR ASSISTANT ROVER	Use of Unmanned Ground Vehicle(UGV) technology to allow armed forces to do survilience remotely. To give real time videos of battlefield thus saving human lives during combat.
18	AY2013-14	Information Technology	High Speed Network Intrusion Detection System	The aim of the project is stride finite automata (StriFA), a novel finite automata family, to accelerate both string matching and regular expression matching.

19	AY2014-15	Information Technology	Robotic Call	To construct the set of available voice commands based on application context and it provide more efficient and natural interaction with support of multiple voice commands.
20	AY2014-15	Information Technology	Farmer's Zone – Agricultural Support System	To develop the system with consultant to notify the farmers in case of any problem, information about weather, fertilizers and pesticides to be used. • Farmers get daily weather report. • Consultant gives solution to the farmer's problem.
21	AY2014-15	Information Technology	A System to Filter Unwanted Messages from OSN User Walls	To develop a system which allows OSN (Online Social Network) users to have a direct control on the messages posted on their walls. The major application of the project is user friendly environment of OSN wall to reduce the unwanted messages.
22	AY2015-16	Information Technology	Smart Campus – An Academic Web Portal with Android Application	Providing an environment for students / faculties/ administrator that will drive us to make up a portable management system for education and colleges. The smart campus is mobile as well as web application.
23	AY2015-16	Information Technology	Complaint from Public to Corporator Using Android App (CPCA)	Android application for the purpose of complaint which is send by the public to the corporator side and it also provide the residential certification particular ward using aadhar ID. Thos application will help the common man under the jurisdiction of a corporator to register their grievance about day to day problem in their ward through a mobile application
24	AY2015-16	Information Technology	Krushni Unnati – An Online Trading App	To develop the system in which farmers design ads with picture and videos of their product for selling and buying. Krushi-Unnati is operate as online classified market place for used goods as vegetables, fruits, flower, grains.
25	AY2016-17	Information Technology	Restaurant Automation System Using Android	To improve the hotel and restaurant system with new android application to prove that it is more attractive and informative way than other system. Here the systems which not only save customers time also a quick access to different things as per user need. The system is automated in many ways and is handled customers theme self

26	AY2016-17	Information Technology	Develop the Medical App for Brain Tumor That Detect the Size and Stage by Using Algorithms	To develop an algorithm that can inform the user about details of tumor using basic image processing. The field of medical is gaining importance with an increase in the demand for automated, reliable fast and efficient diagnosis which can provide insight to the image better than human eyes. The system provides the algorithms that can inform the user about the details of tumor using basic image processing techniques.
27	AY 2013-14	Mechanical Engg	Pressure Measurement at High Temperature by Using Differential Pressure Gauge.	DPG is a type of gauge which gives us the difference between two input pressures given to it. When both inlet pressures are same it gives zero position on DPG. The compressed air pressure is adjusted and exactly sets equal to the exhaust gas pressure. This is done by achieving zero trading of DPG.
28	AY 2013-14	Mechanical Engg	HYDRAULIC REGENERATIVE BRAKING SYSTEM	The study focuses on investigating a hydraulic regenerative Braking System which could be implemented in any vehicle. To study the working and performance of HRBS, the system was incorporated and tested on a bicycle. Achievement: Patent
29	AY2014-15	Mechanical Engg	PRODUCTION OF BIODIESEL FROM WASTE VEGETABLE OIL & TESTING OF EMISSION & PERFORMANCE IN C.I. ENGINE	The aim of the project is stride finite automata (StriFA), a novel finite automata family, to accelerate both string matching and regular expression matching.
30	AY2014-15	Mechanical Engg	MATERIAL HANDLING EQUIPMENT	The material handling cost ranges from 10% to 35% of cost of product material handling cost constitutes a large portion of product cost engineers function is to minimise the material handling it is said that earliest handling how to minimise the human efforts we have design a material handling machine on the principle of karakuri conservation of energy.
31	AY2015-16	Mechanical Engg	PADDLE POWERED ZEOLITE REFRIGERATION	Refrigeration using zeolite is an innovative way to produce the cooling effect using water as a refrigerant and zeolite as adsorber it works on the thermodynamic cycle of cooling zeolite has a typical properties of adsorbing heat when excited.

32	AY2015-16	Mechanical Engg	SOLAR OPERATED MOTOR- PENDULUM PUMP	The availability of drinking water to end user is the problem. In most of the cases, hand pumps are used in villages at remote places. In this project the innovative idea has been tried to combine human power and Solar PV system with pendulum mechanism. The mechanism develops pendulum kinetic energy and converts oscillatory motion in smooth reciprocating motion to lift the water. a small push required to continue the oscillatory motion is given by a DC motor which runs on electricity generated by solar PV panel
33	AY2016-17	Mechanical Engg	Tractor attachment for laying mulching paper in farm	Mulch is a layer of material applied to the surface of an area of soil during harvest to maintain quality of soil. Tractor attachment of laying mulching paper helps in easy and labor less laying of mulching paper.
34	AY2016-17	Mechanical Engg	Refrigeration by using Zeolite	The project is an innovative way to produce the cooling effect using water as refrigerant and zeolite as absorber. It works on the thermodynamic cycle of cooling. Zeolite has special property of absorbing heat when excited. This property of zeolite is used in the project. Zeolite is excited using vacuum pump, hence a vacuum pump is used which is powered manually.
35	AY2016-17	Mechanical Engg	Design & manufacturing of 6.3 tonne Hydraulic Press Machine	Hydraulic Press machine hydraulic cylinder to generate compressor force flame and cylinder are the main components of this place cylinder and Hydraulic circuit we are designed Paraspam cylinder analysis to improve its performance and quality for Press working operation.