

B.V.RAJU COLLEGE;;VISHNUPUR

7.2.1 TWO INSTITUTIONAL BEST PRACTICES

- 1) INTEGRATED TRAINING PROGRAM (ITP)
- 2) E-BIKE PROJECT

BEST PRACTICE-1: INTEGRATED TRAINING PROGRAM:

CONTEXT REQUIRED FOR THE INITIATION OF THIS PRACTICE:

The Need is to provide career guidance and placement opportunities to the students at the fullest extent from institutions end. Since most of the students belong to rural area, regular academic programs supported by providing additional training at the time of placement drive commencement is not only sufficient to grab the opportunity. Unless we know their individual capabilities and areas in which they are interested to tune their career, it is not possible to provide good academic career guidance.

OBJECTIVES OF THE PRACTICE:

The primary objective is to give necessary training and checking the capabilities and abilities of students to qualify in competitive and Campus recruitment drive examinations.so initially we provide training at internal level towards CRT examinations then it will be extended to other top-level examinations like group services, CIVILS etc., by considering support from external agencies depending on students requirement and necessities.

ITP PROGRAMME SHEDULE FOR THE YEAR 2017-2018

As per the meeting convened on 16th August 2017 by CAC with placement team and mentors the following proposal is approved about ITP training for placements for the Academic year 2017-2018. The minutes are here under.

- 1) Initially ITP training should be given using internal resources and as per the requirement of placement drives external training will be given to the students.
- 2) Internal ITP training should be a part of academic curriculum in regular time table with 6 mentoring hours per week to each section of all final year students.
- 3) Two hours is assigned to each of Aptitude, English and Computer science subjects for mentoring. Regular curriculum faculty of mathematics and computer science subjects of respective sections will teach Aptitude and computer science respectively in ITP as per their schedule taking one hour each to their sections.

- 4) The details of Aptitude and Computer science faculty assigned to non-math and non-computer science sections respectively shall be given as an annexure. Faculty assigned for English subject to all final year sections is also given in it.
- 5) Initially it is proposed that, Rs. 500/- to be collected from each student for external training purpose and material expenditure.
- 6) A weekly/monthly/periodical report will be submitted in detail about the coverage of syllabus, tests result within stipulated time to the CAC by placement team.

Apart from the above the following is done during the year:

- 1) One-week full time external training by ICE institute on Aptitude and Verbal ability.
- 2) 2-day training by APSSDC trainers for CAPGEMINI drive
- 3) One day training on Aptitude for CapGemini drive.
- 4) 2-day training on Interview skills and GD and versant skills by VIT faculty.
- 5) 3 Grand tests were conducted during the regular training of ITP program.
- 6) Half day training by Alumni Mr.Murali, Wipro on interview skills.
- 7) Technical training by Rama Rao sir & Naresh sir for Capgemini drive.
- 8) APSSDC Online training.
- 9) Two-day internal training for Infosys drive.
- 10) Examinations using MOODLE LMS are also implemented

The detailed reports are submitted to CAC by placement team and necessary directions are given time to time in this practice

EVIDENCE OF SUCCESS:

- 1) A good number of students (total placements:163) are placed in MNC companies during the drives conducted on campus and off campus with career advancement programs. The list is provided to CAC.
- 2) By taking the feedback from students, it is decided to involve student volunteers from juniors (second year sections) during the conduction of drive so that they will gain knowledge about the process and improve their skill set wherever required
- 3) Good response from CIVILS orientation program is acquired so it is decided to continue CIVILS coaching to the full extent possible to the interested students in concern with the management from next academic year onwards.

Note: coordinator for this practice: Mr.K.S.N. RAJU, TPO, contact no:9440072682

2) TITLE OF THE BEST PRACTICE: DESIGN and MAKING of E -BIKE WITH STUDENTS

THE CONTEXT THAT REQUIRED INITIATION OF THE PRACTICE:

The need of making an E bike with students is to encourage all the students in the college to undertake projects on their own in their future career. This activity also gives experience to the students in indenting, procurement process, planning etc. The need is to create a vibrant community of students in the college. Youth empowerment, peer learning in groups, student staff relations are the other ideas that made this context as the Best practice.

OBJECTIVES:

- 1) To create awareness in student community, especially from rural background, towards application of science and technology in their life.
- 2) To create enthusiasm in student community towards making working models like this which will be useful in their day-to-day activities.
- 3) To ignite ideas in young minds and finally towards youth empowerment and entrepreneurship capabilities

Procedure/Practice of the objective:

As soon as the idea was circulated among physics students in final B.sc, CH V B Vasanth of III MPC came with the project titled "E Bike". The same Project was approved by principal sir. Later with department staff motivation a group of 11 students from III MPC with Mr. CH V B Vasanth as coordinator of the project finalized. Soon with principal sir recommendation, accounts department sanctioned Rs 5000/- for the "E Bike" project. Students started reading literature, watched many videos on cycle motors and construction of similar projects by engineering students in our Sri Vishnu educational society. Father of Mr. Vasanth also helped the student group as he has knowledge in Electrical instrumentation and repairs.

The major part of the project is getting Motor, 12 V DC batteries connecting wires etc. Students finally decided to buy the motor from online vendors after consulting Lecturers with Electronics background. Later they settled for Two 12 V batteries after studying the loads, charging times and weight of the batteries on Cycle etc extensively.

They also got an used cycle from one of their friends and made it ready for E Bike with minor changes with the help of local cycle shops and foundry workshops.

It took few days of trial and errors to finally connect all the required parts to the cycle and finally making it as an E Bike. Details of the team is given below

S.No	Name of the student	Group/Regd.No	Period
1	Ch V B Vasanth (coordinator)	III MPC/153117101013	3/8/17 to10/01/2018
2	A Ranjith Kumar	III MPC/153117101001	
3	B Tarun kumar	III MPC/153117101007	
4	B Revathi	III MPC/153117101008	
5	B Dileep	III MPC/153117101009	
6	B Renuka devi	III MPC/153117101011	
7	I Dinesh	III MPC/153117101016	
8	J S Jones	III MPC/153117101017	
9	J Chandra mouli	III MPC/153117101018	
10	MSP Rushi	III MPC/153117101033	
11	N Ayyappa	III MPC/153117101037	

Evidence of Success:

It made enormous amount of effect in students and many visited the E bike during and after it was made. It gave them confidence and they felt even a rural B.sc student can take up such projects. The discussions among students and students and staff is the evidence of success.

Problems Encountered & Resources Required:

- 1) Financial assistance to purchase necessary raw material
- 2) Time duration and examinations on the Academics affect

Note:

Contact person for this practice: Mr. B.KIRAN, HOD, Department of Physics,

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CONTACT DETAILS:

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