

**B V RAJU COLLEGE**

**VISHNUPUR :: BHIMAVARAM**

**DETAILS OF BEST PRACTICES IMPLEMENTED DURING THE ACADEMIC YEAR 2023-24**

**PRACTICE – 1 : CENTRE FOR INNOVATION (CFI) ACTIVITIES**

**THE CONTEXT THAT INITIATED THE PRACTICE:**

Centre for Innovation (CFI) of B V RAJU COLLEGE, Bhimavaram is initiated to encourage students to build their ideas into projects and enhance their thought processes through scientific innovations and discoveries. It was inaugurated on 05-september-2022 with an intake of 30 students which was increased to 65 in a year. We explore the tools and technologies required for daily electric and electronic instruments around us. Our innovations and research help to solve real-world problems by providing the latest technology to all in order to sustain in the new technological era.

Currently, our college C.F. I coordinator is Mr. CH.CH. V.B. VASANTH, assistant professor in Physics

**OBJECTIVES:**

- 1) Students will become goal centric and industry ready in placement drives
- 2) More skill development courses will be accommodated in future.
- 3) Industry – Academia partnership scope will be channelized
- 4) Student will experience hands on training for theoretical concepts and explore their ideas in new concept building.
- 5) Technological and consultancy opportunities may grow.
- 6) Solution to real world problems
- 7) Peer teaching idealization and implementation.

**THE PRACTICE:**

CFI was inaugurated on 05-september-2022 with an intake of 30 students which was increased to 65 in a year. We explore the tools and technologies required for daily electric and electronic instruments around us. Mr. CH.CH. V.B. VASANTH, assistant professor in Physics is our college C.F. I coordinator. He will train the students by organizing different activities under this hub and extend the collaborative activities too in and around campus institutions. To channelize student ideas towards innovation and consultancy various concepts in physics which were studied by students in their curriculum were discussed and ideation will take place on their key interested areas to develop a prototype and that would be brought into utilization in daily life. Feedback from stake holders will be under consideration and financial support will be provided by the management towards consultancy and patent design. Government funding is one resource for appropriate prototype design. Peer teaching is initiated for junior students from their senior batch and will be continued.

An advisory board is formed for due monitoring and effective implementation of the practice.

S.No.	Name of the Advisory	Designation
1	Dr. I. R. Krishnam Raju	Principal
2	Ch.S. V. Satyanarayana	Vice Principal
3	B. Kiran	Head of the Department of Physics
4	CH. Satyanarayana	IQAC Coordinator
5	CH.CH.V.B.Vasanth	CFI Coordinator

### **CHALLENGES AND RESOURCES:**

- 1) Identification of key areas and goal centric students.
- 2) Student's time management, semester end examinations, placement drives handling
- 3) Identification of key areas need to be changed time to time as per the need
- 4) Student progress on timely basis, bridging the gap between experts training with orientation of students.
- 5) Financial support from the Management for best designs and government funding for consultancy or patents.

### **EVIDENCE OF SUCCESS:**

College URL is developed for timely updation of activities held under this. The link is given below.

<https://www.bvricedegree.edu.in/cfi.php>

The following is the detail of activities organized under CFI for consideration during the academic year 2023-24

#### **Event – 1:**

The CFI has conducted the India's most prestigious moment of Chandrayan -3 landing on the moon live broadcast on 23 August 2023 from 5 pm at MCA seminar hall and also conduct a Quiz to the students on ISRO.

[https://www.bvricedegree.edu.in/Images/department/phy\\_ele/events/chandrayan%20program%20\(1\).pdf](https://www.bvricedegree.edu.in/Images/department/phy_ele/events/chandrayan%20program%20(1).pdf)

#### **Event – 2:**

On 09-09-2023, Dr. B V Raju College Center for Innovation has initiated a workshop (e-waste) for the polytechnic students. Overall 240 students attended the seminar in the span of 4 days and a hands-on experience work shop was conducted for the students for two weeks. nearly 24 students participated in the hands-on experience workshop and build 7 projects

[https://www.bvricedegree.edu.in/images/department/phy\\_ele/events/POLY%20WORKSHOP.pdf](https://www.bvricedegree.edu.in/images/department/phy_ele/events/POLY%20WORKSHOP.pdf)

#### **Event – 3:**

Education is not only about learning it is also about sharing our knowledge with others. The students from CFI have successfully involved in sharing their knowledge with others. The students from the final year MPC and MPCs have designed a DC-regulated and unregulated trainer kit for their laboratory. They have donated this kit to RRDS government college bhimavaram on 20-11-2023

[https://www.bvricedegree.edu.in/images/department/phy\\_ele/events/DONATING%20LABORATORY%20KIT%20TO%20RRDS%20COLLEGE.pdf](https://www.bvricedegree.edu.in/images/department/phy_ele/events/DONATING%20LABORATORY%20KIT%20TO%20RRDS%20COLLEGE.pdf)

#### **Event – 4:**

Between 24-1-2024 and 28-01-2024, The B V Raju College Centre for Innovation has celebrated "Science festa 2k24" a four days program consists of 6 events on the occasion of the National Science Day in February 2024

[https://www.bvricedegree.edu.in/images/department/phy\\_ele/events/phy%20event.pdf](https://www.bvricedegree.edu.in/images/department/phy_ele/events/phy%20event.pdf)



## PRACTICE – 2 : NPTEL LOCAL CHAPTER UTILISATION

### THE CONTEXT THAT INITIATED THE PRACTICE:

As per NEP-2020, skill oriented, multi-disciplinary job oriented and knowledge based add on, value added courses incorporation is recommended in the curriculum. In November 2022 NPTEL-local chapter is initiated in the college with LC ID 5488. To make students industry ready, faculty knowledge base need to be updated. Mentoring and training process has immense significance in achieving these goals. Hence a process for effective utilisation of local chapter is recommended for the purpose.

### OBJECTIVES:

- 1) Curriculum enrichment with credit transfer implementation in near future.
- 2) Students will become industry ready
- 3) Faculty knowledge base will be updated and CAS facility
- 4) Soft skills training for students, mentoring will become proactive
- 5) Internship opportunities for students
- 6) Academic integrity with NEP implementation
- 7) Workshops conduction

### THE PRACTICE:

Initially IQAC coordinator has taken the additional responsibility as SPOC-NPTEL for quality assurance and sustainability of the local chapter. One faculty from each department is nominated by concerned HOD for proper selection of courses available to the students based on their curriculum syllabi. Support from placement team and English department is anticipated for CRT related courses and soft skills training for interview preparation. The role of faculty coordinators is to guide students in course enrolment, exam assistance, mentoring whenever required and credit transfer implementation. SPOC will organize orientation sessions by himself or through department nominated faculty for awareness and learning.

### CHALLENGES AND RESOURCES:

- 1) Awareness and online learning model implementation
- 2) Connectivity issues and continuous monitoring for learning process
- 3) Balancing academic learning for those courses which are not under credit transfer
- 4) Financial support for poor students
- 5) Faculty will take additional responsibility when chosen as a mentor for some courses
- 6) Exam centres and term end examinations schedules

### EVIDENCE OF SUCCESS:

SPOC -NPTEL organized soft skills training program offered by NPTEL for interview anticipated candidates which became very useful in student placement drives. The process has given good result and our college achieved NPTEL-ASPIRANTS category award for Jan-Apr 2024 session.

The details are uploaded in college website and the web link is provided below.

[https://www.bvricedegree.edu.in/NPTEL\\_Local\\_chapter.php](https://www.bvricedegree.edu.in/NPTEL_Local_chapter.php)



Name of the Principal

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Accreditation Status

: B\*\* with 2.97 CGPA

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