

HANDSON EXPERIENCE WORKSHOP

ABSTRACT

Hands-on experience is a crucial component of modern education, bridging the gap between theory and practice and equipping students with the skills necessary for future success

CENTER FOR INNOVATION





B V RAJU COLLEGE AUTONOMOUS

VISHNUPUR :: BHIMAVARAM





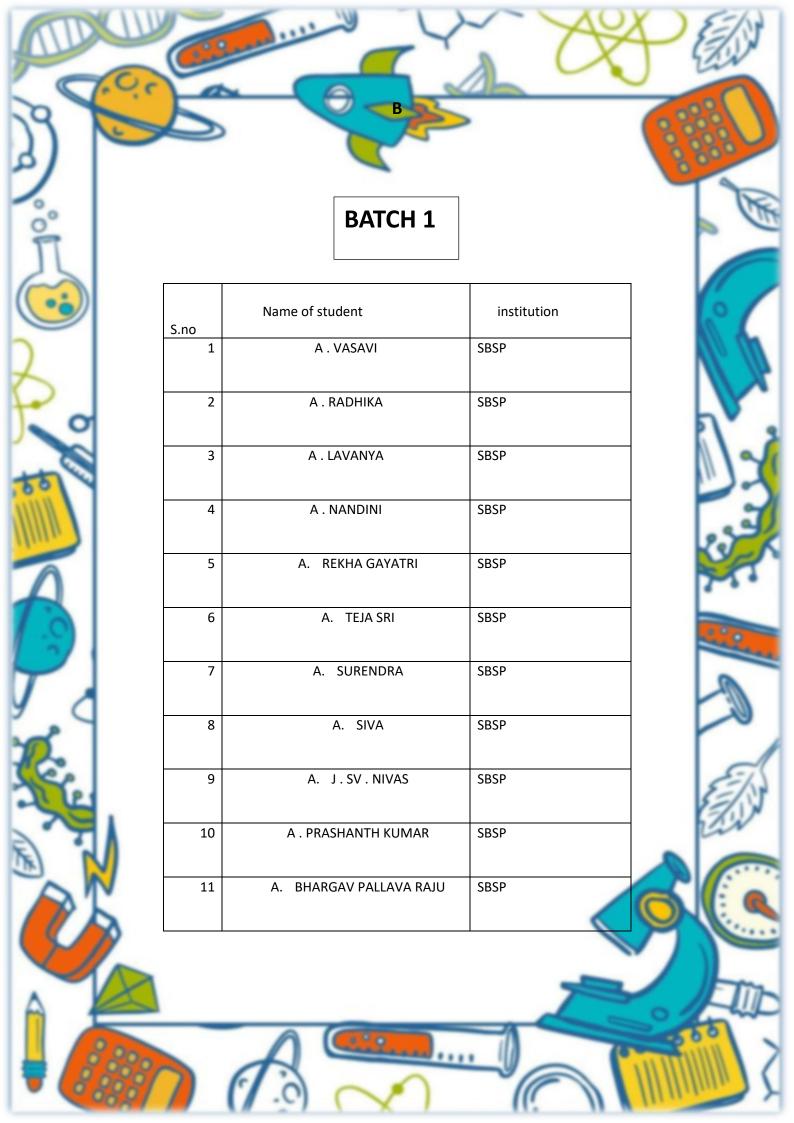
The B V Raju College Center for Innovation was conducted Hands-on experience in innovation, which involves actively engaging in the creative process, experimenting with new ideas, and developing practical solutions. This approach emphasizes learning by doing, where individuals and teams prototype, test, and refine their ideas in real-world scenarios. Such experience is invaluable as it allows innovators to understand the practical challenges, iterate based on feedback and gain insights that theoretical knowledge alone cannot provide. Engaging directly with the innovation process fosters creativity, resilience, and a deeper understanding of the market and user needs, ultimately leading to more successful and impactful innovations.





The final year physics students started a 4-week workshop on hands-on experience in the CFI on July 1^{st,} 2024 for the students of Smt. B Seetha Polytechnic students. Overall 120 students participated in the workshop. 15 students per batch were trained for two days in the CFI.

In the 2 days of training, the students were taught about basic soldering techniques, removing and replacing components in the PCB. In the 2 days of training, the students were separated into 3 teams with 5 members per team and were mentored by 2 CFI students. Within the 2 days, each team built some small projects.



Batch 1 workshop (02-04 july 2024)

The batch 1 students made 3 projects which are

- 1. Generator demo
- 2. Blind stick
- 3. Metal detector













By the end of first batch workshop the students are also able to know some of the basic components like resistors, capacitors, IR sensor modules, open circuit, closed circuits, and etc.

BATCH 2 S.no Name of student Institution 1 G. BHANU PRASAD SBSP 2 G. GANGI REDDY SBSP **SBSP** 3 G. SILA KUMAR G. MANOHAR SBSP 4 G. SHANMUKH SATYA SAI **SBSP** 5 G. SIDDU SBSP 6 7 G. GANI VENKATESWARA RAO SBSP 8 G. SIDDU SBSP G. LAKSHIM PRASANNA 9 SBSP 10 G. MERCY JOEYAL SBSP G. RAMA LAKSHMI **SBSP** 11 G. LEELA MADHU SRI **SBSP** 12 13 G. TEJASWINI SBSP 14 G. GOWRI MANJURI SBSP 15 G. LAKSHMI SRI **SBSP SBSP** 16 E. NANDINI G. RAIYA LAKSHMI SBSP 17 18 G. JANVI SBSP

Batch 2 workshop (9-10 july 2024)

The batch 2 students made 3 projects which are

- 1. Laser security alarm
- 2. Water tank alarm
- 3. Birds avoider in the paddy field













B V RAJU COLLEGE CENTRE FOR INNOVATION

Certificate of Participation

G. Leela Madhu Ori

has participated in the event ... 4. Weeks . Warkshop

held on 9tand 10th july 2024. by CFI.

Coordinator

Head of the Department



Vice Principal B V R C Principal BVRC



B V RAJU COLLEGE

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CENTER FOR INNOVATION (CFI)
STUDENTS FEEDBACKFORM

Date: 10/04/2024

Name of the student: A. Pejaswini Course: Polytechnic - CME

Institution: SBSP

Date of Workshop conducted: 09-07-2024 & 10-07-2024

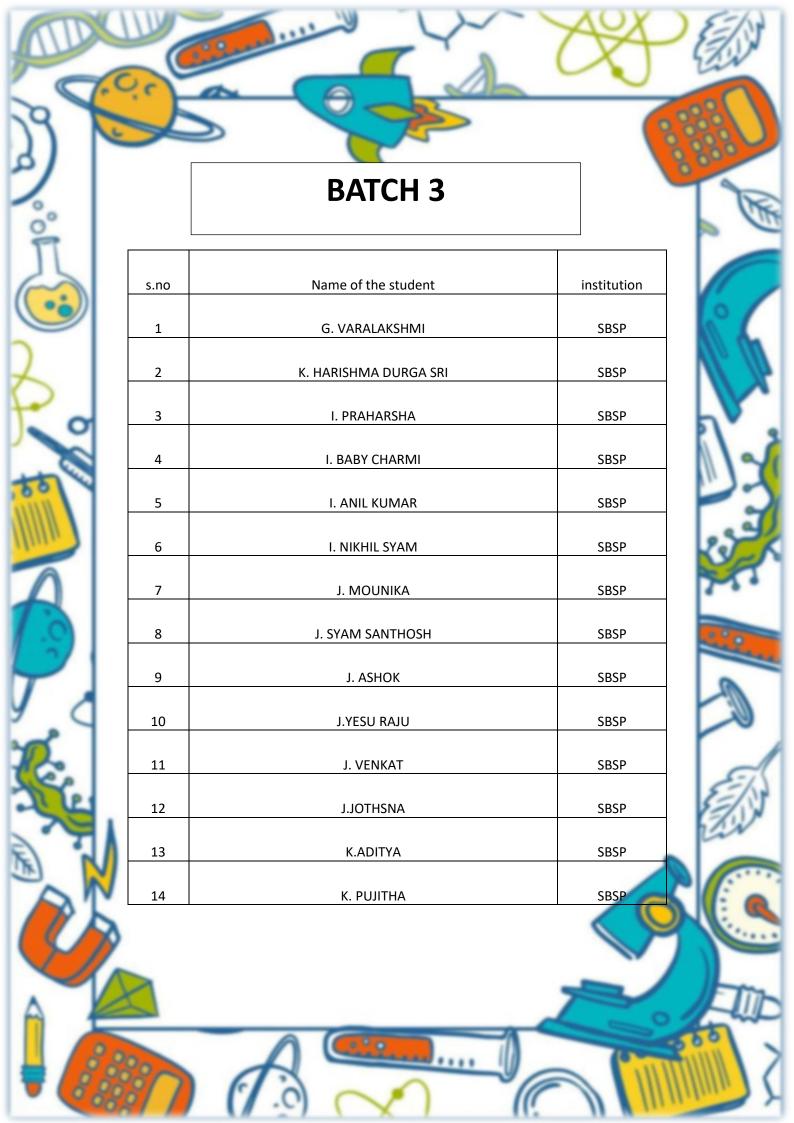
Topics learned in the workshop: Soldering and Working of components.

I learned Soldering and working of components in the workshop. We also made a project called Electric Bell in this workshop.

FEEDBACK:

We made a project called Electric Bell in the workshop with the help of sir and also seniours. We had a nice experience learning about these in this two days of Workshop

Signature of the student:



Batch 3 workshop (11-12 july 2024)

The batch 3 students made 3 projects which are

- 1. Touchless door bell
- 2. Earthquake detector
- 3. LED name board













Coordinator

nator Head of the Department
PHYSICS



Vice Principal
BVRC





B V RAJU COLLEGE CENTRE FOR INNOVATION (CFI)

Certificate of Participation

A Harishma Duxga Sri

has participated in the event A. Weeks. Workshop. ... Louthquake Detector)

held on 11th and 12th july 2024. by CFI.

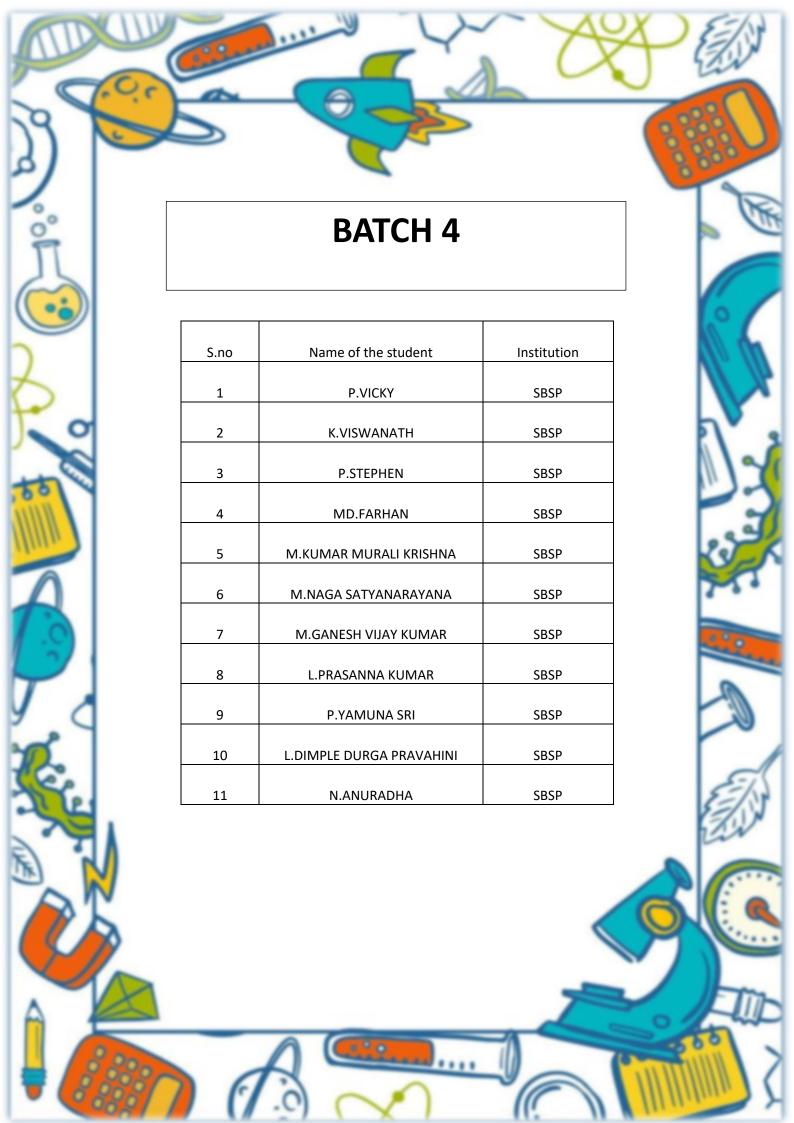
Co ordinator

Head of the Department



Vice Principal B V R C

Principal BVRC

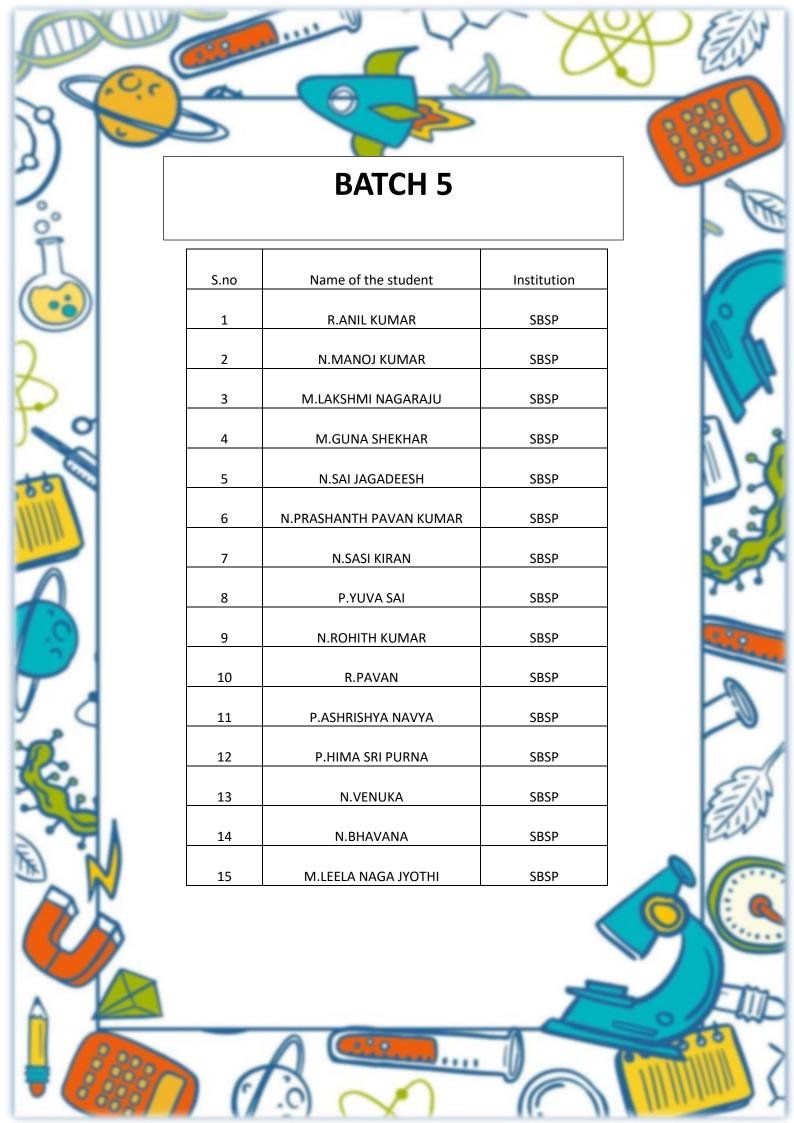


Batch 4 workshop (16-18 july 2024)









Batch 5 workshop (22 july 2024)











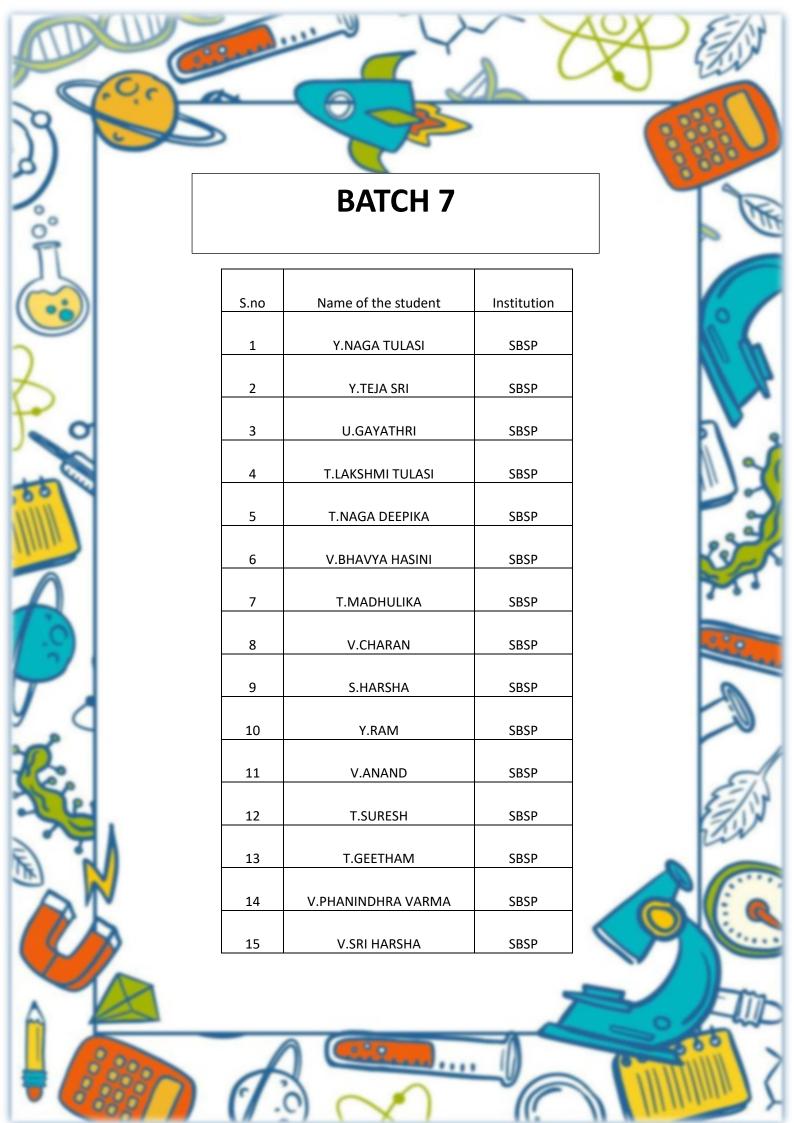
Batch 6 workshop (23 july 2024)











Batch 7 workshop (24 july 2024)





"We are pleased to announce that our recent workshop was completed with active participation from a total of 100 students. Their engagement and enthusiasm significantly contributed to the success of the event."

Signature of the Principal:

Signature of the Vice-principal:

Signature of the HOD PHYSICS:

Signature of the Coordinator CFI: