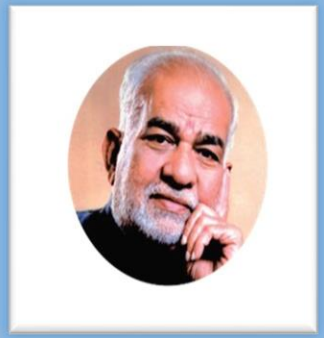




## BEST PRACTICES / UNIQUE INITIATIVES PHYSICS AND ELECTRONICS DEPARTMENT



### 1) Student projects like E-bike, Gas leakage detectors :

Students as per their interest made into groups and encouraged to do working models/projects by collecting data from internet. Staff will guide them in choosing sensors and making cost effective circuits.



**E-bike**



# STUDENTS WITH LPG GAS DETECTION SENSOR



## 2. Physics and electronics club activities.

Students from M.P.C, M.P.Cs and M.E.Cs sections are members in this club and competitions will be held regularly. Student coordinators conduct the competitions; however schedule is finalized by staff coordinator and HOD.

Automatic switch on/off light with sound (clap) made by MPCs students



Students (MPCs) made an Aluminum Air Battery which does not require any charge



Students preparing mind maps





### 3. Activity based learning and Inter disciplinary concepts by senior faculty.

For First B.Sc., (M.P.Cs) students Basic concepts in Commerce, Chemistry, Electronics and Life sciences are taught by senior faculty. Activity Based learning is encouraged through Group discussions, Mind maps, Seminars etc. From this academic year BLOOM's taxonomy is followed in Teaching and learning process.

D RAVI KUMAR HOD DEPARTMENT OF CHEMISTRY



LECTURE ON CHEMISTRY IN DAILY LIFE

S.NO	Name of Faculty)	Date	Topic	Signature.
1.	B. Kiran sir (HOD) Dept. of Physics & Electronics.	25/7/22 MPCs A, B.	Screens & Resolutions.	B. Kiran
2.	J. Ramesh Sir (Lecturer) Dept. of Life Sciences.	26/7/22 MPCs B	Nutritional Classification	J. Ramesh
3.	D. Ravi Kumar Sir (HOD) Dept. of Chemistry.	27/7/22 MPCs A, B	Daily usage of Chemistry)	D. Ravi
4.	K. Satyanarayana Raju Sir (Lecturer) Dept. of Physics & Electronics.	MPCs.	Consumer Electronics	K. Satya
5.	B. Kiran sir (HOD) Dept. of Physics & Electronics	MPCs A, B	James webb Telescope.	B. Kiran

J RAMESH FACULTY DEPARTMENT OF LIFE SCIENCES



LECTURE ON NUTRITIONAL CLASSIFICATIONS



## 4.Student customization and mentoring.

All the First year students are mentored and counseled immediately after their addition into College. HOD , Mentor and other senior faculty involve in the Mentoring process (Know your student).Ten percent students Mentoring will be done by Principal and vice principal.



**HOD-B.KIRAN &  
MENTOR-V.N.V.RADHAKRISHNAMURTY**



**VICE-PRINCIPAL-CH.S.V.SATYANARAYANA &  
HOD-B.KIRAN**



## 5.Hands on experience in Assistive Technology and IDEA labs.

Advanced learners are made into groups and with the help of staff coordinators few Workshops are organized in ATL and IDEA labs with the help of SVECW and VIT Colleges.





## 6.Course era/edX / NPTEL/SWAYAM certificate courses.

Students are motivated to complete certificate courses through Course era/edX/NPTEL platforms. B V Raju College is now a local chapter of NPTEL.



- **Research work**

- 1) Three members of the department completed pre PhD course work.
- 2) Total 13 research papers published in last 2 years.