

## 7.2-Best Practices-

### 1) Title-

**Best utilisation of human resources and financial help for the betterment of the institute.**



- 2) **Goal-** The focus of the college administration is strongly towards the multifaceted growth of the college for attaining this goal. The principal is not looking for the financial help from the government head but acting as a strong motivator he motivates the faculty to arrange financial resources of their own to construct structures for creating better infrastructure here. Especially during the COVID crisis phase when students couldn't turn-up in the college premises this time was used as opportunity for creating infrastructural facilities through our own resources. For this through motivational words inspired the whole faculty for donating handsome amount for the construction of the useful structures. The manpower especially daily wage workers along with permanent class four staff constructed the structure via "Shramdan".
- 3) **The Context** –Now a days due to financial scarcity because of corona crisis any Government institute must not depends on government resources only. Self generated resources should be used for the betterment of colleges now, because academic up liftment is now endless process in this era of global competition.
- 4) **The Practice** -A long concrete road from the main entrance gate to the entry of library gate is constructed. Not only the road is of good quality but as it is constructed through our own resources so we have a personalized affection for maintenance of the road. Also by using the donated amount by the college faculty and "Shramdan" by the college

workers a good quality drivers rest room is constructed near the entry of the main gate with all basic facilities as electrification, fan, sink with hand-wash facility, toilet facility, although these constructions are minor constructions but they set very good example that the institutes of higher education should not depend on government resources but institutes can create facilities themselves if they keenly wanted to create and uplift the standard of their institute. As these two structures are completed successfully other examples are also set not only the institute is benefitted but also during COVID crisis phase the daily wage workers are not terminated from their jobs and their labour is used for this constructive work. During constructions the female labours not only actively involved for the labour work but also they cooked meals in the hostel for the labours (Daily wage workers) as they stayed and worked round o' clock. Thus this best practice is not only exemplary for the institutes of higher education but also financially gainful for the needy workers.



The faculty became highly motivated and the alumni faculty along with other outside members donated an advanced sound system with table mikes for the conference room. Actually a positive constructive institute friendly vibes is generated via such pious works and now not only propagated among college administration but also among the whole college family. We adopt this best practice for other constructive works in the premises as making of sports ground, stage in the sports ground, cleaning of weeds from the premises and the gardens here. One extraordinary work is also done via practicing this best practice – for the construction of two big soakpits in the premises, one in front of the teaching room complex behind the main building, and one in the open ground in front of the “Mukt Rangshala”.

**Evidence of success:** - A good positive vibe spread among the whole college via this best practice due to self generation of fund and “Shramdan”, not only utility constructions are made but also a positive trend of such activity became practice thus many more self resource generation and creation of our own in college premises is seen in many other activities like making of soakpit, sports ground, cleaning of hostel etc.

**Problems encountered and resources required:** - convincing of college family members is the only initial problem, otherwise once this is done no further disagreement is seen in such other activities. Only man power and some financial contribution is required to initiate this best practice.





2.

Title-

Creation of alternative sources of energy by installation of solar units in the premises



**Goal**-One of the most troubling issues of today is the rising cost of energy. Energy costs are on the rise as Earth's resources are being depleted little by little. Luckily, technology has provided new resources from natural entities, such as solar energy. Though demand for energy continues to rise, there are things every homeowner can do in order to lower their costs and help the environment. Solar energy is one of those renewable resources that is great for the environment. This type of energy doesn't produce greenhouse gas and it doesn't pollute water or air. It is self-sufficient and a good way to provide energy to home or business. It's a positive cycle that one can really stand behind. The more people who use renewable resources, the more people will get jobs in this field. When it comes to renewable energy resources, one can be confident that their home is being powered through domestic energy production. One does not have to take energy from another part of the world. That also helps keep the prices down and at steadier levels. The more people who use renewable resources through a renewable energy company, the less blackouts will occur. When more people use power generated through natural resources, the grid will be more secure. It will be less likely to have natural or human-caused issues because it is a more natural process that is harder to interrupt.

**The Context:** -Using renewable resources like solar power will cause there to be more reason to use land that has been underutilized until now. Most areas still have a lot of lands if we look away from the big cities and that land is being used for nothing. With renewable resources in play, that land can create great value. There are many advantages for using solar energy through renewable energy resources in both a big and a small way. Solar power is completely clean, it produces no air pollution, no water pollution, and no greenhouse gas effects. It is also carbon-free, no harmful emissions are released when electricity is being produced by solar panels. Unlike traditional fossil fuels like coal and oil, solar energy does not lead directly to pollutants (like carbon dioxide) being released into the atmosphere and water supply.

**The Practice:** -For practicing this best practice – using alternative resources of energy which are eco-friendly, our college has installed four solar units each of 10 KV capacities. These units not only curtailed our electricity expenses but also these units assure continuous power supply even during power failures. We need continuous power supply in our autonomous section as continuously this section arranges assessments of the students which is quite a time taking work as our student strength is above 4000 and we are having semester system for under graduation and post graduation classes both. We have four faculties – Science, Arts, Commerce, and Home Science, thus more than 315 question papers are prepared, printed, and sent for valuation, accordingly more than 12000 copies are evaluated per semester under the supervision of our autonomous cell. As round 'o' clock work is required there so continuous power supply is utterly needed in autonomous cell of the college. A connection with sufficient capacity from our solar system is provided in autonomous cell of the college. Also we have one separate nodal centre with 40 computers; this is also connected with our solar unit. Most of our

students belong to economically down trodden class, and they have to submit their assignments and projects, for which they require computers. So, shift wise our nodal centre is busy – in morning hours students of commerce faculty use nodal center, in day time arts, science, and home science students use that center.

**Evidence of success:** - After installation of solar units the college electricity bills are reduced significantly. Connection with solar system assures continuous and steady supply of electricity there. One unit is installed in bunch of ten classrooms behind the main building of the college, not only these rooms are engaged for taking classes from 8 am till 5 pm but also these rooms are used for conducting various prestigious competitive exams as UPSC, PSC, Judicial services and various exams conducted by VYAPAM, so as this unit is also connected with solar system mostly continuous and steady power supply is ensured. Our second semester exams are mostly conducted in April-may session during that phase the temperature is very high near about 42-43°C. with unbearable heat waves as over four thousand students used to give their exams thus, a proper seating capacity with proper aeration is utmost required due to load shedding many a times long duration power failures are common but connectivity with solar units ensured steady power and continuous power supply during those sunny days in summers. Our hostel has also one solar unit, near about 200 students reside there, they are selected on the basis of merit of marks, so these meritorious students used to study during night hours, also for their assignments and projects a continuous power supply is needed because these students are not freely allowed to go outside of the campus. Connection with solar system helps them for their studies and timely completion of their assignments. We have installed solar lamps in our front garden area so in night hours our garden area is properly enlightened, and ensures the safety of our campus.

**Problems encountered and resources required:** - To contact and to convince CREDA persons was somewhat time-taking because the head office of CREDA is in Raipur and far from the main city area although the local CREDA officers much supported us. The maintenance of already installed solar units is found somewhat difficult.

We just provide them space in college roof top for installation of solar panels and within college building for installation of solar batteries.