

1. Title of the practice: Innovation Cell and Science Projects

Objectives of the practice:

- To create complete ecosystem which will foster culture of Innovation.
- To encourage the creative energy of our student population to work on new ideas and innovation.
- To conduct various innovation and entrepreneurship-related activities prescribed by Central MIC in time bound fashion.
- Identify and reward innovations and share success stories of student inventors.
- Organize periodic workshops/ seminars/ interactions with entrepreneurs, investors, professionals and create a mentor pool for student innovators.
- To analyze a scientific occurrence with an investigation, to solve a problem with an invention
- To nurture the creative talents of students.
- To develop Scientific attitude & critical thinking among students.
- To expertise students for filing patent innovative idea

Context:

Dahiwadi College Dahiwadi is located in rural and continuous drought prone area. Students from this area are enthusiastic to do innovation related problems. But lack of confidence and economical background they cannot present idea and implement in real time. So this institute has established innovation cell of Ministry of Human Resource Development, Gov of India. Also institute initiated Science Projects Such as Model Based Learning for F.Y. B. Sc , Project Based Learning for S.Y. B. Sc and PD3- P4 for T.Y. B. Sc students. Main motto of innovation cell to encourage the creative energy of our student population to work on new ideas and innovation and promote them to create start-ups and entrepreneurial ventures.

Practice:

Innovation cell and science projects creates complete ecosystem which will encourage students of innovation. For innovation culture Dahiwadi College Dahiwadi Organizes activities in college campus. We organize Science Model exhibition, Research Poster Presentation, Guest Lecture, Workshop of Resource persons on innovation, entrepreneurial, start ups topic. Develop students scientific attitude, power of reasoning, critical thinking through all these activities.

The Evidence of Success:

Dahiwadi College Dahiwadi established Innovation cell under MHRD ,Govt. of India. Running activities in college campus. MHRD certified college as “Three star college”. First prize as “Innovative Implementing Science Projects College” from Rayat Shikshan Sanstha. Innovation cell has made memorandum of understandings with Laxmibai Bhaurao Patil Centre for Invention, Innovation, and Incubation at S.M. Joshi College Hadapsar. Six

students were selected for CIII of Rayat Shikshan Sanstha. Students presented innovative idea model, projects successfully and file their patent.

Problems encountered and resources required:

Innovation could be defined as converting an ideas into new or improved products, processes and services. Undoubtedly, Innovation is about taking inventions to market place by translating scientific knowledge into products, services and offerings for economic growth and social development. Dahiwadi is located in drought prone area. Irrigated land is very less. Annual income around this locality is below poverty line. To unleash the creative potential of every Indian and contribute at all layers. Youth of our country, especially in higher education institutions need to play crucial role at every step to shape the innovation ecosystem. Proper guidance is required to promote innovation, IPR and startup, entrepreneurial awareness among students and faculties with less outreach to innovation ecosystem enablers.

2. Short term Course

Objectives:

- To enable students and making them ready to face the present world professionally.
- Provide modern knowledge of different courses to the students.
- Develop analytical skill set through case study course objectives.
- Involve students in practical activity oriented class rather than traditional study method.
- Understand what are the core competencies to succeed in your professional and personal life.
- Motivate the farmers to setup the apiculture unit.

Context:

Dahiwadi area is belongs to the draught prone region thus it holds very limited natural resources. Development of students can play important role in rural development. Different **Short Term Courses** can produce important low coast agro based project and develop student skill and knowledge which raise the economy indirectly. However student economy is not good in this region due to the draught prone region.

Sr. No.	Course Name	Course Approved (Yes/ No) if Yes Whom
1	Spoken English	Karmveer Vidya Prabodhini
2	Soft Skills Development	Karmveer Vidya Prabodhini
3	Health and Nutrition	Karmveer Vidya Prabodhini
4	Human Resource Development	Karmveer Vidya Prabodhini
5	Rural journalism (Gramin Patrakarita)	Karmveer Vidya Prabodhini

6	Tourism	Karmveer Vidya Prabodhini
7	News writing and Interview art (Samachar lekhan evm sakshatkar kala)	Karmveer Vidya Prabodhini
8	Foundation course in Human Right Education	Karmveer Vidya Prabodhini
9	Development of Communication skills	Karmveer Vidya Prabodhini
10	Web Design	Karmveer Vidya Prabodhini
11	Household Chemicals	Karmveer Vidya Prabodhini
12	MS. Excel Applications	Karmveer Vidya Prabodhini
13	Android App	Karmveer Vidya Prabodhini
14	Herbal Cosmetics	Karmveer Vidya Prabodhini
15	Conservation of local seed varieties	Karmveer Vidya Prabodhini
16	Repairing and Maintenance of electrical and domestic Appliances	Karmveer Vidya Prabodhini
17	Sericulture	Karmveer Vidya Prabodhini
18	Hardware Networking	Karmveer Vidya Prabodhini
19	M. Sc Chemistry Entrance Course	Karmveer Vidya Prabodhini
20	Office Automation & Internet	Karmveer Vidya Prabodhini
21	Web Development	Karmveer Vidya Prabodhini
22	Cyber Law	Karmveer Vidya Prabodhini
23	Tally Basic	Karmveer Vidya Prabodhini
24	Business and Corporate Soft Skills	Karmveer Vidya Prabodhini
25	Advanced tally and applications	Karmveer Vidya Prabodhini
26	Office Automation	Karmveer Vidya Prabodhini
27	Democracy process and Election study (Lokshahi prakriya va nivadnuk abhyas)	Karmveer Vidya Prabodhini
28	Study of Instrument Operating	Karmveer Vidya Prabodhini
29	Organic Fertilizer Analysis	Karmveer Vidya Prabodhini
30	Development of Corporate Skills	Karmveer Vidya Prabodhini

The practice:

Our traditional institutes affiliated to the universities have certain advantages and disadvantages. These institutes are becoming examination oriented only. Students obtain their degree and diploma but they do not have proper skills with respects to the job. In India we do not have well established job opportunities. The changing scenario of industry requirement is not supplied by present higher education institutes. Therefore, we need to certain short term courses to the students seeking jobs. In every year universities create huge number of graduates and post graduates without skill and resulting jobless hands.

The evidence of success:

Dahiwadi College has started 30 short term courses for undergraduate and postgraduate students. Each course has MoU with renowned institute. They have promise to offer jobs for our students who have successfully completed Short Term Courses.

Problems encountered and resources required:

As the college is situated in drought prone area and rural area, students are not ready to pay for such courses. Students are not interested in spending their time as they have some domestic work at their residential places.

Parents of such students are illiterate, economically poor and they are not mentally prepared to provide financial support to their wards.

Trained and experienced faculty are not easily available and such kind of persons are not ready to visit remote area like Dahiwadi.