BEST PRACTICES

Best Practice - 1 :

1. Title of the Practice

Innovation EcoSystem

2.Objective of the practice

To create a holistic and conducive environment for innovation and make innovation an intrinsic part of each student, channelising the young minds to build an entrepreneurial mindset.

3.The Context

To enhance students' creativity and their problem solving skills as an integral part of the curriculum. This provides a platform and solution for societal needs.

4.The practice

Innovation in education is woven into the very fabric of learning at Sairam.Keeping in focus, the institution has designed and developed the curriculum with a competition based learning. The model is named as Sairam Innovation Ecosystem with a tagline of “One Student - One Start up”. The program is implemented in four stages namely Ideathon at first year, Solveathon at second year, Innovathon at third year and Inspirathon at final year of study.

Ideathon

It is a mandatory procedure for all the students' to take part in. The students shall form a team with a maximum of four members.The students will be undergoing Sairam SDG immersion program as part of this ideathon. The students are given 3 to 4 months of duration to prepare and generate their ideas. These ideas will be presented in front of the evaluation panel.Best ideas will be awarded during the ideathon contest.

Solveathon

Students shall continue with the same team mates followed during ideathon or they can form a new team of members on genuine basis. Here, students shall execute the solution of their idea which they put forth during ideathon.These solutions will be presented in front of the evaluation panel.Best solution will be awarded during the Solveathon contest.

Innovathon

During their third year of study, students are mainly focussed on execution of their solution in an innovative way, under the guidance of project head. Here, students shall execute the innovation of their solutions which they put forth during solvethon.These stages help the students to design, create and implement a favorable future- economically, socially and environmentally. On the whole, focussing on innovation enhances students' academic, personal and professional development. It also equips with essential skills, attitudes and perspectives that are necessary for their success.

Inspirathon:

Embarking on the journey of final product development, we seek to inspire through the dissemination of groundbreaking ideas via paper publications, secure our innovations with patent publication and positively establish a dynamic startup to bring these transformative concepts to fruition.

5.Evidence of success

Ideathon 1.0

In ideathon 1.0 conducted on 26.02.2020 during the academic year 2020-21. Around 464 ideas had been submitted for the contest. Goal wise prizes were awarded covering all the 17 goals of SDG.

Ideathon 2.0

In ideathon 2.0 conducted on 12.05.2022 & 13.05.2022 during the academic year 2021-22. Around Ideas 556 had been submitted for the contest. Goal wise prizes were awarded covering all the 17 goals of SDG.

Ideathon 3.0

In ideathon 3.0 conducted on 01.06.2023 & 02.06.2023 during the academic year 2022-23. Around 1410 ideas had been submitted for the contest. Goal wise prizes were awarded covering all the 17 goals of SDG.

Solveathon 1.0

In Solvethon 1.0 conducted on during the academic year 2021-22. Around 600 ideas had been submitted for the contest. Around 51 teams were awarded covering all the 17 goals of SDG.

Solveathon 2.0

In Solvethon 2.0 conducted on 20th & 21st April 2023 during the academic year 2022-23. Around 694 ideas had been submitted for the contest. Around 51 teams were awarded covering all the 17 goals of SDG.

Solveathon 3.0

In Solvethon 3.0 conducted on 07.11.2023, during the academic year 2023-24. Around 694 ideas had been submitted for the contest. Around 51 teams were awarded covering all the 17 goals of SDG.

Innovathon 1.0

In Innovathon 1.0 conducted on 30.03.2023 & 31.03.2023 during the academic year 2022-23. Around 575 ideas had been submitted for the contest. Around 54 teams were awarded covering all the 17 goals of SDG.

5.Evidence of success

1.Number of student paper publications and patent publications increased.Hands on experience in training and internships help in registering for startups.

2.Innovation ventures emerged which led to patents filing and showcase the institution's commitment to foster an entrepreneurial ecosystem.

3.Increased number of participation by the students in various national and international forums and recognition (Hackathon, E-baja and many other technical events)

4. Collaborative projects with UBA and IEEE funded projects have results due to this innovation ecosystem.

6.Problems Encountered and Resources Required

The integration of immersion programs without affecting the regular academics.

Identifying suitable subject matter experts (SME) to evaluate the submitted ideas,solutions and innovations.

Physical infrastructure for innovation and requirement of necessary hardware and software tools.

Best Practice - 2 :

1. Title of the Practice

FACULTY INTERNSHIP PROGRAM

2.Objective of the practice

To bridge the gap between the industry and academia thereby strengthening the institute's collaboration with industry partners.

3.The Context

To match with the changing industrial requirements, the academic experts are expected to upskill and reskill their competency. This in turn transforms the expected skills to the students community.

4.The practice

The competency and skills of the faculty members and the industrial requirements were identified. Domain based faculty groups have been formed. Related industries to the domain are identified. On duty provisions have been created for the faculty to interact with the industry experts. The institute provides OD facility of seven to fifteen days to the faculty to undergo internships. Required documentation such as MoUs, MoAs shall be executed between the identified industries and the institute to facilitate the above process in a seamless manner.

5.Evidence of success

During the academic year 2022-23, 116 faculty members had undergone industrial training to various industries such as Excel die casting, GH Induction India Pvt Ltd, Madras Electroplaters, Kase Antagen Pvt Ltd, Fine tech furnace pvt Ltd, Emerald Pvt Ltd, Super Auto Forge Pvt Ltd, IPL Products Pulsars, Raini Industries , Rajan Industries Pvt Ltd, United Plasto Components pvt Ltd, Microtech Engineers, F1 Auto Components pvt Ltd.

6.**Problems Encountered and Resources Required**

To identify the exact industry the matches the program

Difficulty in identifying the time slot to undergo the internship without affecting the regular academic work