



Best Practices

Best Practice – I

1.1 Title of Practice: Moulding the rural talent into successfully employable professionals through Skill development programs and pedagogical initiatives

1.2 Objectives of the Practice:

- To motivate students to take up engineering as career.
- To equip the students to face challenges.
- To adopt pedagogical initiatives.
- To strengthen practical knowledge with values.

1.3 The Context

The institute is located in rural area and many students are first generation of learners. By identifying innate talents and nurturing into successfully employable.

1.4 The Practice

The institute implements collaborative learning. Pedagogical initiatives help students to become employable.

1.5 Strategies adopted to achieve the results:

- Using ICT tools.
- Collaborative learning
- Effective counseling
- Organizing industrial visits.
- Conducting workshops, mock EAMCET and JEE
- Trainings in collaboration with TASK on Skill Development Programs
- Taking the support of alumni for trainings.
- Organizing TechUtsav and KheUtsav.

2021.6 Evidence of Success:

1. The institute makes its best efforts in bringing out innate talents of the rural youth and converting them into responsible global citizens.
2. Gold Medals: We have two university gold medals secured by our students so far
3. Placements: 80% of the eligible students are placed every year with a steady increase in average package per year – in 2022: highest package being 14.95 LPA
4. Alumni: We proudly boast that more than 3,000 alumni of JPNCE are working across the globe overseas in reputed organizations.



JAYAPRAKASH NARAYAN COLLEGE OF ENGINEERING
AFFILIATED TO JNTUH HYDERABAD
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S.No	Name of the Alumni	Batch and Branch	Designation	Organization
1	Mr. J. Raghavendra Reddy	2006-2008 MBA	ASP (IPS)	Telangana State Police
2	Mr. Ravi Shankar	1997-2001 ECE	Scientist	DRDO Hyd.
3	Mr. K. Hita Chandra	1997-2001 ECE	Founder and CEO	DRIVERZZ
4	Mr. Srinivas	2000-2004 CSE	Scientist	BARC Mumbai
5	Mr. Ambati Prudhvi	1999-2003 CSE	Vice president	HDFC
6	Mr. Vinayak Kalluri	1997-2001 Mech	Registrar	SRM University Vijayawada

2021. Branding: Ever since its inception, JPNCE has been a champion of the concept of Right for Education. JPNCE is very well known for its philanthropic efforts in developing its adopted villages, offering scholarships to the poor students and conducting awareness programmes across the town and district. JPNCE has emerged as a brand in the field of technical education in the erstwhile Mahabubnagar district.

1.7 Problems Encountered and Resources Required:

- Assessing the students
- Taking up extension activities balancing academics
- Focusing on slow learners
- Busy schedule of alumni

1.8 Resources Required:

- Committed staff members
- Expert trainers
- Dedicated Alumni



Best practice – II

2.1 Title of the Practice

Contribution to society through service-based projects and service motto activities.

2.2 Objectives of the Practice:

- To make the students realize that societal growth is vital
- To understand societal problems.
- To bring solutions through their projects and other activities
- To bring recognition to the institute through projects.

2.3 The Context

Young engineers can bring solutions to societal problems. The projects and the service activities can pave way for better solutions to society and they can grow as responsible citizens.

2.4 The Practice

The institute motivates students to bring solutions to societal problems

Students have been involved in:

- Understanding the issues of rural people
- Creating awareness on various social issues
- COVID vaccination
- Swachh Bharath
- Protection of environment
- Awareness on Polio Vaccination

2.5 Constraints:

- Initial reluctance by the students.
- Students' hesitation to interact with villagers.

2.6 EVIDENCE OF SUCCESS

The following projects executed by students have won accolades from the public.

S.No	A.Y	Name of the project	Societal problem addressed	Remarks (Appreciations /Prizes)
1.	2018-19	Assessment of Ground Water Quality-Selected villages of Mahabubnagar Mandal & District.	Checking ground water purity	Appreciation from management.
2	2019-20	Solar based tri-cycle for physically challenged	Ecofriendly automotive	Cash award from Management
3	2020-21	IOT Based Garbage Monitoring System	Segregation of garbage-wet and dry	Seed grant from Management.



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4	2020-21	High Speed Bottle Cleaning Machine Externally and Internally	Cleaning 20L water cans.	Seed grant from Management.
5	2020-21	Solar Based Grass Cutter	Ecofriendly lawn mower.	Seed grant from Management.
6	2021-22	Water Wastage Control	Reduce water wastage in community places	Seed grant from Management.
7	2021-22	Mechatrical Life Saver – M10136	Put off fires in close proximity.	Seed grant from Management.
8	2021-22	Saline Level Monitoring System	Monitory saline level in hospitals.	Seed grant from Management.
9	2021-22	Hybrid Power Generation Solar Plus Wind Mill Generator	It is eco-friendly. Works on solar energy.	Seed grant from Management.

Innovative Projects, Ideas & Faculty Contribution In Research Useful To The Society

S.No.	Academic Year	Title of the Project	Societal problem addressed/Innovation	Remarks (Appreciations /Prizes)
1	2018-19	Gokart	Made from scrap. Done by Mech. Engg. students	Exhibited during TechUtsav in 2019
2	2017-18	Arsenic detection in water. A Ph.D thesis by the faculty, Dr. Sujeevan Kumar Agir.	Reduced cost of arsenic detection equipment by 90% and time required to estimate from few hours to around 20 minutes.	Patent filed and the idea shortlisted among top 10 start up ideas of 2019 by Telangana Government
3	2018-19	Detection & Removal of Fluoride using activated seed coat biomass tamarindus indica	Fluoride in drinking water can be detected and removed using inexpensive technique.	Received special appreciation award at 108th Indian Science Congress.



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Contribution made by the students for the society through their service motto activities.

S.No	A.Y	Name of the activity	Societal problem addressed	Impact
1	2017-18	Awareness on Digital Banking	Helps even illiterates to receive and pay money. (cashless)	People are hassle-free
2	2018-19	Survey and Awareness on Right to Vote conducted in Chowderpally (V)	Help people realize importance of casting vote	Villagers realized importance of casting vote without falling prey to temptations.
3	2019-20	COVID-19 Awareness program by Student volunteers	Preventive measures taken by the villagers.	Restricted Covid-19 to very few cases
4	2020-21	Distribution of provisions during the pandemic	Helped the working class	The needy were saved.
5	2021-22	COVID-19 Vaccination Drive.	Prevented many villagers from falling prey to COVID.	Helped restrict Covid-19

2.7 Problems Encountered:

- Sustaining interest of students.
- Limited outlook of students.
- Balancing both academics and service projects.

2.8 Resources Required

Contribution and involvement from organizations under their Corporate Social Responsibility Projects.