NANDHA COLLEGE OF TECHNOLOGY, ERODE – 638052
Erode – Perundurai Main Road, Vaikkaalmedu, Tamil Nadu
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Best Practice - 1

1. Title of the Practice - Student Industrial Preparatory Wing

2. Objectives of the Practice

Student Industrial Preparatory (SIP) Wing is formed to bridge-up the knowledge and practical skill set required by the industries on emerging technologies as and when required. The industries don't find time to train the recruited students, they want the students to be ready for day one to take over the job responsibility.

3. The Context

- In order to fulfil the industry, we formed Student Industrial Preparatory (SIP) Wing consisting of coordinators from each department and formulated the programmes to fulfil the industry needs for the department specific domine (Current Technology).
- The departments identify and collect the current technology requirements in their domine & the skillset required by the industry through stakeholders (Alumni & Industry Persons) interaction.

4. The Practice

- We organize industrial seminar on emerging technology to have knowledge impartment.
- We arrange for Industrial Visit / Field visit to the reputed industries, who is good in current technology implementation.
- In plant training, to have hands on training (practical skill set improvement)
- Laboratory sessions are trained/evaluated/assed by the industrial persons.
- Workshop on new technology.

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5. Evidence of Success

- Implementation of Student Industrial Preparatory (SIP) Wing's activities have fetched us the following results to have an **elevated placement** for our students (214 No's) with high salary package (3 Lakhs to 7.5 Lakhs) for the last 5 years.
- These are the following companies were our students had elevated placements. Virtusa VSAP, Zoho, CTS, Infosys, Aspire, DXC, Talent Pace, KAAR, TCS, TCS Digital, Virtusa, Avasoft, Wipro, Capgemini, Mphasis, Tech Mahindra, Hexaware, ATOS Syntel, Vinsinfo and Rapid Future Technology.
- Student Industrial Preparatory (SIP) Wing activities is also having greater impact even after completion of the courses – it is evident in the placement record which is highlighted in the placement graph.

6. Problem Encountered and Resources Required

- Finding time and arrangement of industrial resource person for practical sessions and to impart knowledge on advanced/current emerging technology and techniques, is major problem being faced during training sessions.
- Secondly, finding additional time for industrial visit and training in coordination with academic schedule is another major task.
- Finally, meeting out the financial expenditure towards the Student Industrial Preparatory (SIP) Wing activities play's the important role in implementation.

7. Notes (Optional)

Information regarding institutional values and best practices which the University would like to include.

- The University may discard subject related to ruled out technology contents.
- The University may implement emerging technology contents.

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Best Practice - 2

1. Title of the Practice: Student Skill Development Programme

Currently, the Tamil Nādu Government introduced **Naan Mudhalvan Scheme** among the Higher Educational Institutions in Tamil Nādu (Engineering and Polytechnic Colleges) for the skill development of students, we have implemented the Naan Mudhalvan Scheme for all branches.

Naan Mudhalvan is skill development platform under Tamil Nādu Skill Development Corporation (TNSDC) aims to provide dynamic information for college students on courses and relevant information about industry specific skill offerings. This will enable the students to get training in their chosen field of interest that will help them in achieving their career goals.

2. Objectives of the Practice

To provide placement for the non-creme layer students and students with backlogs.

Skill development program implemented for current year is **Naan Mudhalvan Scheme.**

The objective of this scheme is to identify potential training providers, to impart various skill trainings based on current industry gaps. Through this flagship program the students will be able to get trained and ensure they get jobs according to their skill sets.

For Students:

- Access to Industry relevant skilling modules on technology skills, personal skills and organization skills.
- Mentorship support from across the world.

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- The Tamil Nādu Government forge partnerships with colleges to create environs conducive for growth through faculty development, research pilots and help colleges to provide quality education for the leaders of tomorrow with focused systematic Programme.
- Hosting Skilling Initiatives on their campus.
- Chance to participate in placement drives across organizations.
- Online access to e-learning content.

Courses Conducted under Naan Mudhalvan are

- Foundation for Artificial Intelligence, Machine Learning, Full Stack
- Network Essentials
- Block Chain Development
- Digital Marketing
- Robotic Process & Industrial Automation
- Network Engineering
- Professional Readiness for Innovation, Employment & Entrepreneurship
- Electric Vehicle Charging System Design
- Embedded System Design & Application
- Smart & Advanced Manufacturing - Design & Simulation
- Electrical Vehicle Design.

3. The Context

- In order to fulfil the above needs, the students are provided with hands on training for a specific job. The practical trainings are narrow down for a specific need.
- Industrial persons are tied-up for the hands-on training.
- Students are insisted for a mandatory in-plant training.

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4. The Practice

- List of specific human resources required to fulfil the local needs are identified.
- Students are segregated based on their willingness.
- Basic knowledge impartment will be fulfilled by the faculty on specific domain.
- Training on specific job is been provided with an expert at the end of each semester, until they are ready for the specific job.

For Naan Mudhalvan Scheme

- Access to Industry relevant skilling modules on technology skills, personal skills and organization skills.
- Mentorship support from across the world.
- Online access to e-learning content.

5. Evidence of Success

Implementation of Student Skill Development Programme (SSDP) activities have fetched us the following results.

IT and **Core** - Placement in a low profiled companies with a salary range of 1.22 Lakhs to 2.20 Lakhs / Annum for a student strength of 540 is been achieved for the past 5 years.

These are the following companies where our non-crème layer students have been placed like, AB Academy, Coral Coil Rewinding, Lakshmi Electrical Control System, LGB forging Pvt.Ltd, NCR Corporation Pvt.Ltd, Indo Shell Cast Pvt.Ltd, Lakshmi Precision Technologies Ltd, Andro Focus, Focus Edumatics and CRI Pumps etc.

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6. Problem Encountered and Resources Required

- Providing real-time equipment's, adequate in numbers in par with the students and number of skilled persons required to provide the training with tool kits.
- Providing safety devices.
- Providing training at NSQF level as required by the industry.

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