ISSN–2278-5655

AMIERJ Aarhat Multidisciplinary International Education Research Journal

Volume–XIV, Issues– III May – June, 2025

OPEN ACCESS Original Research Article

EVALUATING THE EFFECTIVENESS OF INTERNSHIP AND WORK-INTEGRATED LEARNING PROGRAMS IN INDIAN HIGHER EDUCATION

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Abstract:

Internships are structured, often short-term placements within organizations where students gain practical experience related to their field of study. They serve as a bridge between academic learning and professional practice, allowing students to apply classroom theories to real-world scenarios. For instance, in the field of information technology, internships provide students with opportunities to develop both technical and general competencies, aligning their skills with industry standards. Work-Integrated Learning (WIL) is an educational approach that integrates academic studies with practical work experiences, enabling students to apply theoretical knowledge in real-world settings. This method enhances learning and bolsters employability by providing first hand industry exposure. To accommodate working students in finding a willing industrial company to fulfil their WIL requirement, the introduction of a modular WIL program is aimed at providing a space to groom more skilled hands in a flexible mechanism allowing students to complete their qualification, made of compulsory and optional practical combined subjects. WIL encompasses various formats, each tailored to different educational and professional objectives.

Keywords: *Employability, Work-Integrated Learning, Schemes and Policies, Curriculum, Internship.*

Introduction:

In today's competitive job market, gaining practical experience is crucial for students and recent graduates to enhance their employability. Graduate employability has become a critical metric for assessing tertiary education institutions globally, extending beyond engineering disciplines. practical training of students is essential, as they significantly contribute to national economic growth across various sectors. **Internships** and **Work-Integrated Learning (WIL)** approaches have become essential tools for bridging the gap between academic learning and real-world work environments. These programs allow students to apply their theoretical knowledge, develop industry-relevant skills, and gain valuable professional exposure. To provide a professional grooming space, the industry, academia and government should work together to ensure accessible WIL for all the students. This document provides a comprehensive exploration of internships and various WIL approaches, highlighting their significance, types, benefits, challenges, and best practices.

WIL Practices in India

The Indian government has implemented several initiatives to enhance internship opportunities and promote Work-Integrated Learning (WIL) to improve graduate employability and bridge the skills gap in the workforce. Internship Initiatives:

1. **NITI Aayog Internship Scheme**: This program offers undergraduate, postgraduate, and research students from recognized universities in India and abroad the chance to work closely with various divisions of NITI Aayog. The application window is open from the 1st to the 10th of every month.
2. **Minister of Labour & Employment Internship Scheme**: Aimed at engaging eligible students as

ISSN–2278-5655

AMIERJ Aarhat Multidisciplinary International Education Research Journal

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interns, this scheme provides insights into government functioning and policy formulation. Interns contribute through empirical analysis, briefing repos, and policy papers.

3. **National Centre for Good Governance (NCGG) Internship Program**: NCGG offers internships ranging from 8 weeks to 6 months, allowing students to gain experience in governance and public policy.
4. **Prime Minister's Internship Scheme 2025**: Announced in the Union Budget 2024, this ambitious program aims to provide 12-month internship one crore (10 million) young individuals aged 21 to 24 over five years. Interns receive a monthly stipend of ₹5,000 and a one-time grant of ₹6,000. Additionally, they are covered under government insurance schemes, with premiums paid by the government.

Work-Integrated Ling (WIL) Policies:

The All India Council for Technical Education (AICTE) has been proactive in promoting WIL through various measures:

- **AICTE Internship Policy**: To facilitate internships, AICTE has established collaborations with organizations and ministries both within India and internationally. These partnerships aim to provide students with practical experience aligned with the academic learning.
- **National Education Policy (NEP) 2020**: The NEP 2020 emphasizes holistic and integrated learning approaches, advocating for the inclusion of internships and practical experiences in curricula to enhance employability and skill development.

Several companies in India offer Work Integrated Learning Programs (WILP) that allow students to gain practical experience while pursuing higher education. Notable examples include:

- **Wipro**: Wipro's WILP is designed for BCA and B.Sc. students, enabling them to work with the company while pursuing an M.Tech degree from a premier university. The program includes sponsored education where students are required to complete an intensive 5-year on job training program.

These initiatives reflect the Indian government's commitment to integrating practical work experiences into the education system, thereby equipping students with the skills and exposure necessary for the evolving job market.

Work-Integrated Learning (WIL) Approaches:

Work-Integrated Learning (WIL) refers to educational strategies that integrate practical work experience with academic learning. It aims to provide students with real-world exposure while complementing their formal education.

Types of WIL Approaches:

1. **Internships** – Short-term work experiences where students gain hands-on industry exposure.
2. **Co-operative Education (Co-op Programs)** – A structured program alternating between academic studies and work placements, often lasting multiple semesters.
3. **Apprenticeships** – Long-term training programs where students work under professionals, gaining practical knowledge in trade or technical fields.
4. **Industry-Based Projects** – Students work on real projects in collaboration with businesses or organizations.
5. **Service Learning** – Community-based work where students apply their skills to address societal needs.
6. **Job Shadowing** – Short-term observational experiences where students follow professionals to learn about their roles.
7. **Capstone Projects** – Final-year projects that involve solving real industry problems using academic learning.
8. **Simulated Work Environments** – Use of virtual labs and simulations to create workplace scenarios.

ISSN–2278-5655

AMIERJ Aarhat Multidisciplinary International Education Research Journal

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Significance of WIL:

- **Enhances Academic Learning:** Provides practical application of theoretical knowledge.
- **Bridges Skill Gaps:** Helps students develop industry-relevant competencies.
- **Boosts Employment Readiness:** Prepares students for the job market.
- **Improves Career Decision-Making:** Exposes students to different career pathways.

Comparison of Internship and WIL

Factor	Internship	Work-Integrated Learning (WIL)
Duration	Short-term (few weeks to months)	Can be long-term (spanning semesters)
Structure	Can be structured or unstructured	Typically structured and linked to academics
Academic Integration	May or may not be part of the curriculum	Always integrated into academic learning
Focus	Industry exposure and skill-building	Application of academic learning to real-world problems
Compensation	May or may not be paid	Often paid or credit-based

Best Practices for Internships and WIL Programs:

For internships and WIL programs to be effective, they must be designed and implemented with best practices.

For Institutions

- **Integrate WIL into Curriculum:** Ensure practical learning is part of academic programs.
- **Develop Industry Partnerships:** Collaborate with businesses to create opportunities for students.
- **Provide Guidance and Mentorship:** Assign faculty advisors to support students during internships.

For Employers

- **Offer Meaningful Tasks:** Provide interns with real responsibilities rather than administrative work.
- **Mentorship Programs:** Assign mentors to guide interns in skill development.
- **Feedback Mechanism:** Regularly evaluate and provide constructive feedback to interns.

For Students

- **Be Proactive:** Seek internship and WIL opportunities early.
- **Network and Build Relationships:** Connect with professionals for future career opportunities.
- **Reflect and Learn:** Analyse experiences to improve career decision-making.

Challenges and Solutions in Implementing WIL Challenges:

Securing internships during or after graduation presents several challenges for students. Key obstacles include:

1. **Financial Constraints**: Many internships are unpaid or offer minimal compensation, making it difficult for students who rely on income from part-time or full-time jobs to support their education and living expenses.
2. **Demanding Academic Schedules**: Intensive course loads, especially in STEM fields, lee students with limed time to pursue internships. Balancing academics with potential internship commitments can be overwhelming.
3. **Limited Access to Opportunities**: Students from non-urban areas or those without industry connections may find it challenging to cover or secure relevant internship opportunities.
4. **Lack of Practical Experience**: Employers often seek candidates with prior experience, creating a paradox for students who need an internship to gain that very experience.
5. **Insufficient Soft Skills**: While technical knowledge is essential, employers also value soft ski such as communication, teamwork, and problem-solvi. Students who haven't developed these skills may find it challenging to secure internships.

To overcome these challenges, students can consider the following strategies:

- **Seek Paid Internships or Alternative Funding**: Focus on applying to paid internships or explore

ISSN–2278-5655

AMIERJ Aarhat Multidisciplinary International Education Research Journal

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scholarships and grants that support unpaid positions. Some universities and organizations offer stipends to assist students undertaking unpaid internships.

- **Integrate Internships with Academic Credit**: Work with academic advisors to identify internships that offer academic credit, allowing the experience to count towards degree requirements and potentially align the course load.
- **Leverage University Career Services**: Utilize campus career centres for resources, workshops, and networking events that connect students with potential employers. These centres often list down the available internships and can assist with application preparation.
- **Develop Practical and Soft Skills**: Engage in extracurricular activities, volunteer work, or part-time jobs that build both technical and soft skills. Participating in group projects, student organizations, or workshops can enhance communication, teamwork, and problem-solving abilities.
- **Network Proactively**: Attend industry events, join professional associations, and connect with alumni to expand your professional network. Building relationships can lead to internship opportunities that may not be publicly advertised.

By proactively addressing these challenges and utilizing available resources, students can enhance their chances of securing valuable internships that contribute to their professional growth.

Conclusion:

Internships and Work-Integrated Learning (WIL) approaches play a crucial role in preparing students for successful careers. By integrating practical experiences with academic learning, these programs enhance employability, bridge skill gaps, and provide valuable industry exposure. Institutions, employers, and students must collaborate to maximize the benefits of these opportunities, ensuring a smooth transition from education to the professional world. The college education landscape and the dynamics of WIL practice in India have been comprehensively explained. This flexibility is intended to support learners who have not secured full-time placements by offering a part-time structure. Additionally, this paper also focuses on those who are already employed but lack consistent company oversight regarding their job progress in relation to logbook requirements.

This proposed concept is not specific to the technology oriented fields (IT, CS, ECS etc), but could also be applicable to other disciplines. The next stage of this development will be broadened, incorporating innovative pedagogical approaches and advancements in digital technology. The program must be tested in a real working environment to assess its effectiveness. The next step involves implementation and evaluation to benefit students who have yet to secure WIL placements, ensuring they gain practical experience and relevant industry exposure.

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Volume–XIV, Issues– III May – June, 2025

OPEN ACCESS Original Research Article

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Cite This Article:

Mr. Das S.R. (2025) *Evaluating the Effectiveness of Internship and Work-Integrated Learning Programs in Indian Higher Education.* **In Aarhat Multidisciplinary International Education Research Journal**: Vol. XIV (Number III, pp. 83–88).