



AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY (AUTONOMOUS)

Approved by AICTE, New Delhi; Permanently Affiliated To JNTU, Kakinada

ACCREDITED BY NAAC WITH "A" GRADE

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INTERNSHIPS

INTRODUCTION :

The National Education Policy 2020-(NEP-2020) views that the purpose of the education system is to develop good human beings capable of rational thought and action, possessing compassion and empathy, courage and resilience, scientific temper and creative imagination, with sound ethical moorings and values. It aims at producing engaged, productive, and contributing citizens for building an equitable, inclusive, and plural society as envisaged by our Constitution. The NEP-2020 envisions promoting quality research in higher education and to ensure quality education by higher education institutions (HEIs), research and innovation are two inherently important aspects. The societal needs of our country can only be addressed by having a strong knowledge, skills, value and research-oriented vibrant higher education ecosystem for sustainable development.

In accordance with the NEP-2020, the University Grants Commission (UGC) framed a new student-centric "Curriculum and Credit Framework for Undergraduate Programmes" (CCFUP) incorporating a flexible choice-based credit system, multiple entry and exit options, and a multidisciplinary approach. In an **internship course** students require to participate in a work experience or professional activity, or cooperative education activity with an entity external to the education institution, under the supervision of an expert from the given external entity. A prime aspect of the internship/research internship is induction into actual work situations. Internships includes working with government or private organizations, other higher education institutions (HEIs), research and development labs, research organizations, non-government organizations, enterprises, centers involved in research, innovativeness and entrepreneurship, business organizations, industries, artists, artisans, farmers etc. and similar other entities for providing opportunities to students for active engagement in on-site experiential learning.

In tune with the policy document of NEP-2020 and subsequent envision of UGC to the respect of internship, Amrita Sai Institute of Science and Technology requires to frame an exclusive guidelines for internship to be undertaken by the students of both UG & PG Programme and the following are the output of the exercise undertaken by the Amrita Sai Institute of Science and Technology through a Committee for Drafting the Rules and Guidelines of Internship and Research Internship for UG & PG Degree Programme.

OBJECTIVES :

Following are the intended objectives of engaging students in internship for employability and research internship programmes:

- **Integration of workshop with workplace:** To provide the students to do internship in a broader, integrated and holistic manner where the delivery of the classroom is aligned with outcomes of the workplace which is to be designed with the intention of integrating workshop/classroom/lab/research lab learnings with the workplace of government or private organizations, other

HEIs, research and development labs, research organizations, non-government organizations, enterprises, centers involved in research, innovativeness and entrepreneurship, business organizations, local industry, IT, Electronics and similar other entities.

- **Understanding of the world of work:** To provide the students with an opportunity to improve their understanding of the experiences, challenges, and opportunities of the real world of work, as well as to set their expectations and behavior in accordance with the demands, culture, and values of current and emerging jobs.

Physical and hybrid model learning: To broaden learning opportunities by combining physical and digital modes of learning while working in industry, corporate, research & development organizations, workplace, within or outside HEIs, blended with a mentor or research expert and as per the need and convenience.

- **Developing research aptitude:** To create and facilitate conditions that allow the students in their quest for knowledge, its discovery, learn, understand and sharpen research acumen, familiarizing with analytical tools and techniques with appropriate usage, research methodologies, data analysis, integrity and ethical behavior, manuscripts preparations, identification of appropriate journals, patent and intellectual property rights, and their application in solving research/complex/real-life problems.

- **Exposure in emerging technologies:** To provide exposure to emerging technologies/ automation and how it can support, facilitate, improve and reinforce work processes/ culture/ job roles/art and craft, including the traditional areas of art-craft/ heritage skills, agriculture, etc.

- **Enhance entrepreneurial capabilities:** To enable the students understand how organizations / enterprises are formed for sustainable progress so that start-ups and entrepreneurial capabilities are strengthened among students and they are encouraged to be job creators.

- **Development of decision-making and teamwork skills:** To facilitate the development of problem-solving and decision-making skills, enable teamwork & collaboration culture to promote research, academic and professional developments.

- **Cultivate a sense of Social Imagery and Citizenship Responsibility:** To develop a sense of social imagery (issues) and philanthropic versatility among the graduating students that will facilitate towards the development of an attitude towards citizenship responsibility.

- **Stimulate collaborative influence:** To promote HEIs collaboration and develop industry- academia partnership in providing internships, apprenticeships, and research opportunities to the students in the predefined areas of importance which will lead the stakeholders to collaborate on how to learn with one another.

- **Enhancing professional competency:** To enhance professional principles, ethics, values, and integrity which will lead the stakeholders to gain perspective, practice, develop as competency and perform professional tasks in the way that the employment market demands.

INTERNSHIP TYPES, CATEGORIES AND FORMS

In Amrita Sai Institute of Science and Technology the internships is classified into two broad types and further they are classified to the following types, categories and forms :

Types:

- a) Internship for enhancing the employability
- b) Internship for developing the research aptitude

3.1 Categories:

- a) Internship as part of curriculum of M.Tech and Masters Degree Programme
- b) Internship for earning certificate/Diploma/B.Tech after completion
2nd/3rd/4th year of study.

Forms:

- c) Internship outside Amrita Sai Institute of Science and Technology – with government or private organizations, other HEIs, research and development labs, research organizations, non-government organizations, enterprises, centers involved in research, innovativeness and entrepreneurship, business organizations, industries, etc.
- d) In-house internship – with the faculty members of Amrita Sai Institute of Science and Technology other than the Major subject of the respective student.

Placement Cell