

**Call for Unpaid Hybrid Mode based INTERNS
(UHMI internships)**

Durations of 6 to 16 weeks

**From current college students and/or Graduates/Post
Graduates**

at

**Economic Services and Productivity Promotion Group, NPC
and the Public Policy and Regional Development initiative**



NATIONAL PRODUCTIVITY COUNCIL

**Under Department for Promotion of Industry and Internal Trade
(DPIIT) Ministry of Commerce & Industry, Govt. of India**

Utpadakta Bhawan, 5-6 Institutional Area, Lodhi Road, New Delhi – 110003

(20 September, 2024)

Towards inviting Interns to engage on UHMI basis

(Unpaid Hybrid Mode Internships in onsite/online work combination basis for 6 to 16 weeks durations)

(During the period 15 October 2024 to 31 March 2025)

(Current Applications Closing Date 8 Oct 2024

A. Indicative nature of internship activity

Indicative Nature of activities to be Undertaken by the Interns:

1. National and Cross-Country Policy Analysis: Analyze public policies and schemes across various domains, including environment, healthcare, and infrastructure. This involves evaluating policy effectiveness, comparing national and international approaches, and identifying best practices.
2. Database Development: Assist in the creation and management of databases related to ongoing projects. This includes data collection, organization, and analysis to support research and decision-making processes.
3. Project Proposal Development: Contribute to the development of project proposals by designing new programs, schemes, and methodologies. Interns will have the opportunity to engage in project planning across sectoral, governance, and socio-economic intersections, helping to shape and refine project strategies.
4. Research and Background Work: Conduct research and perform background groundwork as needed. This may include literature reviews, data gathering, and preliminary analyses to support various projects and initiatives.
5. Training Module Development: Develop training modules on themes such as public policy and policy entrepreneurship. This includes designing content, creating educational materials, and preparing training sessions to enhance understanding and skills in these areas.
6. Sectoral Analysis: Explore and assess trends across multiple sectors, compare historical and current data, and analyze regional differences.
7. Stakeholder Engagement and Agreement Formalization for Innovative Projects: As needed, engage with officials from various Ministries and Departments to establish and formalize Memorandums of Understanding (MOUs) and Project Management Agreements. This involves coordinating with a diverse range of officials and executives to advance innovative projects and initiatives, ensuring clear and effective communication throughout the process.
8. Ad-hoc responsibilities: Undertake additional ad hoc responsibilities, including the creation of promotional brochures, content refinement, and other related tasks to support organizational goals and enhance project presentations.

B. Desirable qualifications regarding : In the context of potential subjects/disciplines background and key additional skill sets amongst the graduating students and also post qualifications experiences as desired from Bachelors Degree and Masters or PhD Degrees and students in final year or such graduates beyond college with desired field experiences upto maximum 3 years time frame after graduating and obtaining the said Degree / Qualifications obtained

It is indicated that for a range of ongoing projects and potential new projects that we have proposed and / or need to build and develop and undertake urgently (as well as for identifying new areas and developing a range of project proposals on important themes), we require 3 – 5 interns per listed themes in Annexure 1 on an Unpaid Hybrid Mode Internship basis (i.e. working as a combination of onsite and in office work and online work from college or home basis) with specialized subjects and / or skills such as the following.

The specialized subjects / skills that are needed amongst interns to be engaged on UHMI Basis from amongst suitably qualified students / applicants studying in colleges/universities in Delhi / NCR and resident and based in Delhi / NCR and also considering for the UHMI internships amongst students who have already graduated within the recent 2 years as also eligible are as follows.

(i) Public Policy and Policy analysis and Monitoring and Evaluation (an area of intense engagement in decision science and socio-economic assessments to facilitate decision making and engaging in concurrent monitoring and evaluation of a vast range of schemes / projects / programmes, and further impact assessments based on results based management and productivity integration in M&E efforts. Designing policies and programs for Human Resources and Skill Development with a focus on human rights and related dimensions.)

(ii) Economics and Econometrics (addressing the spectrum of fields in Economics micro and macro economics, international economics, Development economics, Economic History, Behavioural economics, environmental and ecological economics and resource accounting etc.)

(iii) Financial analytics and Financial Engineering (to especially analyse the various kinds of contractual arrangements such as Business Models including Public – Private Partnerships including auctions, offsets and others and cost – benefit analysis ; input – output analysis and assessing realistic cash flows and ROIs of projects and DPRs and engagement in DPR developments as well for Smart Cities / Inter-regional dynamics / rural development domains and implications on investments and sustainable growth.)

(iv) Big Data analytics (addressing Socio – economic and environmental databases and addressing evolution and performance on sustainable Development Goals and the related indicators) and engaging in Data mining, statistical analysis and Probability science.)

(v) Research Methods and Research Design (to help engage in advanced research in environmental management / sustainable development areas and public policy areas towards facilitating contributions to research initiatives of various Ministries and departments.)

(vi) e – Governance (the need for strengthening IT frameworks and governance models related support from NPC in Environmental and all disciplines in the governance architecture of the country.)

(vii) Development Studies / Area studies (regional and country specific studies and participation in SAARC projects as well as assessments of various regional agreements such as EU, ASEAN and implications to India and adaptation of appropriate practices and initiatives to associate with transboundary dynamics and institutional arrangements.)

(viii) Quality control and testing (addressing various infrastructure components as being sought to be evaluated in MIIUS project and potential engagements in AMRUT or others.)

(ix) Technology assessment and forecasting (focus on Clean Technologies) and specialization in product and waste recycling technologies. Product Design and Machine Design and mechatronics (to facilitate engagement in establishing centers of excellence and clusters on machine design for various sectors and facilitation of development and propagation of new eco-friendly products across industrial sectors.)

(x) Environmental Engineering design (capabilities in designing environmental management and control systems and operationalising them – ETPs / CETPs/Landfills/ APCDs etc or engagement in evaluation and adequacy studies across sectors and from the field of sub-disciplines in architecture.)

(xi) Law, Constitution expertise and Contracts (facilitating legal analysis of SPVs and PPPs and various contractual designs in cluster development and value chains facilitation, besides strengthening our contributions to facilitating institutional redesign dynamics and public administration processes towards enhancing productivity as well as capacity building in environmental laws and provisions including facilitating NGT etc.)

(xii) Ecological footprint and Environmental Modeling and Life Cycle Analysis (Towards addressing issues on limits to growth and assessing life cycles of products as well as identifying and enabling eco-friendly products manufacturing in India.)

(xiii) Organisation Theory and Design (in depth assessments of institutional quality dynamics and their measurement, facilitation of restructuring organizational systems and architectures for better outcomes across sectors and industrial units.)

(xiv) International Trade and Patents assessments (to identify trends, market dynamics, brand building support for industrial clusters and Indian products on strategic issues as well as technology supplies.)

(xv) Various Industrial Sector domain expertise (this is across disciplines to strengthen integrated understanding and engagements in various sectors be it chemicals, paper, automobile, ordnance and defence, railways, highways, ports, power (renewable / non renewable), food processing, leather, and so on.)

(xvi) Domain of Sociology, Human Geography etc. (for Social Impact Assessments and Displacement and Rehabilitation studies.)

(xvii) Risk analysis and modeling (industrial hazards, disaster management domains and response etc, and scenario analysis, sensitivity analysis etc.)

(xviii) Strategic management, restructuring and M&As (facilitation of technology collaborations and clean / lean technology transfers etc.)

(xix) GIS Mapping and modeling (for regional planning and development services.)

C. UHMI internship Application Process:

Interested students/candidates are requested to submit an application consisting of:

- (i) A cover letter outlining their interest and relevant qualifications.
- (ii) An up-to-date resume.
- (iii) An indication of their preferred area of interest (aligned with the listed themes).

Application closing date : October 8, 2024, 23:59 IST

Applications should be sent to: harsh.thukral@npcindia.gov.in or harsht.npcindia@gmail.com

Please note: Engagement of interns and selection process shall be ideally looked into on a combination of first come first served basis and further on merit and as per project and project development requirements. It is expected that 3-4 interns per thematic area of projects be considered. Early applications is encouraged to enable obtaining internship option.

We look forward to welcoming UHMI interns to our team and towards interns engaging in undertaking policy analysis, multi-disciplinary and sectoral domain based qualitative and quantitative research, undertaking data structuring and analysis, developing project proposals, evolving thematic leadership training modules and participation in conducting the programmes etc., and experiencing institutional systems and related dynamics for an evolving focus on institutional redesign propositions and implementation.

Contact Information:

Harsh Thukral, Ph.D.
Dy. Director (EcoS&PP) & PPRDi
National Productivity Council
5-6 Institutional Area, Lodhi Road
New Delhi - 110003
Ph# (011) 24607375
Mobile # 9999231124
Email : harsh.thukral@npcindia.gov.in or harsht.npcindia@gmail.com

Annexure 1

D. A few indicative thematic areas of current and evolving focus for interested candidates/interns to address, as a part of related work envisaged

- National and International products mapping and reflecting on product design feature and scope for informing manufacturing enterprises to further strengthen trade prospects and accordingly evolving a framework for International and national market insights creation, that could inform industry on product dimensions as a potential groundwork for further evolution of a Wikipedia on product mapping.
- Evolving an earlier draft methodology on Industrial Clusters Rating and Ranking as developed by NPC team (as well as assessing Industrial Parks Rating Scheme of GOI and as being implemented by Invest India), towards a newer format of Industrial Clusters Analysis and Benchmarking framework to further integrate a focus on Technology Mapping, and for further evolving related methodological structure for programmatic implementation and strengthening mechanisms for supporting new clusters development and identifying and guiding indigenous technology development areas / processes over time. Also in the context of industrial clusters to visit the contexts of infrastructure status and gaps identification for proposing suitable formats of infrastructure upgradation mechanisms.
- Ideation and framework development for Circular Economy focused projects including Circular Economy Groups amongst concentric and value chain based enterprises and developing a programme of action for the Ministries towards enabling applications of Circular Economy techniques, for example Product Composition Declaration/ resource embedding/ emissions embedding and so on and enabling through the programmes of action the adoption/application of the Circular Economy Techniques being evolved for application amongst industrial units
- Developing Framework(s) and Implementation mechanisms for Employment Generation programmes as well as apprenticeship programs in the context of evolving suitable design and implementation features, and also procedures for creating the industrial and institutional demand for these and the adoption of the proposed approaches/schemes and reflecting on milestones / KPIs etc., to measure the implementation related success factors. In this context to progress to develop the dimensions being envisaged in the context of productivity volunteers and / or productivity associates to be developed and deployed in industry and institutions and outlining the management structure and features of such schemes for uptake
- Development of techniques and methodologies for undertaking works pertaining to infrastructure ratings and ranking for a variety of infrastructure installations as developed (such as roadways/expressways/highways; Water supply and management systems; Waste Management infrastructure; electric vehicles support infrastructure etc; or for infrastructure being developed such as to facilitate infrastructure features related benchmarking, and shaping comparison frameworks or uniqueness highlighting
- To develop frameworks and features for establishing and operating a set of Incubators that could enable germination and establishment of manufacturing and services enterprises over the medium term and assessing viability via locational / spatial

analysis and identifying potential geographical zones for their establishment. Further, exploring the possibilities/prospects regarding development of micro-enterprises and related clusters in brownfield or Greenfield areas. As part of such an initiative to address development of technical briefs and evolving business plans for guiding the prospective enterprises, including identifying institutional partners for the process.

- Engagement in mechanism for assessment and in the process of assessment of brand equity and development of Branding strategies for National Programmes/Missions and New Programmes / Schemes and Projects as well as regarding features of States and Regions and Industries and Industrial clusters and structuring projects that could be focused on brand assessments and brand visibility and connotations in the targeted segments and amongst masses
- To evolve the techniques and analytical elements for Financial Productivity Analysis for programmes / projects / schemes related funds applications and their contributing to multiplier cascading investments (and returns). To also explore prospects and approaches for undertaking financial productivity analysis regarding financial instruments and financial products. In the said context also to evaluate the potential and scope for development of Institutional bonds and their acceptance and adoption prospects (going beyond the ideas of infrastructure bonds and municipal bonds), such as to potentially support institutional progressions and towards serving as tools and techniques for crowd funding for strengthening institutional performance and prospects, including potentially strengthening the accountability features and contributing to enhancements in institutional outputs and outcomes.
- Undertaking a wide spectrum of research initiatives for bringing out deeper insights on various bilateral and multilateral initiatives as well as regarding bilateral and multilateral institutions and programmes and their functioning and reflecting on programmes and achievements and to identify potential development of newer national and multilateral programmes as well as potential institutions and institutional mechanisms and the outlining of suitable structural and functional features for strengthening the national and international frameworks of socio economic cooperation mechanisms and via added dimensions to inform and facilitate development initiatives / sustainability facilitation etc.
- Domain of Psychology (cognitive Strategies for Policy Making, which includes Mind Training and cognitive strategies to improve policy making and choice processes, focusing on strengthening sustainable cognitive structures and informing policy design and interventions. Institutionalized psychology in the context of policy making.)
- Infrastructure Development and Economic Growth (exploring infrastructure needs, identifying gaps, and proposing solutions. Examining aspects such as how transport and technology advancements drive economic growth and enhance infrastructure systems.)
- Assessing energy needs, evolving roadmaps for energy provisioning, and services. Examining centralized and decentralized approaches, developments in renewable and non-renewable energy sub-sectors, and experiences related to energy security.)
- Analyzing the health sector scenario, policy framework, recent evolutions, challenges, and dynamics. Researching new initiatives and efforts to strengthen the robustness of the health sector.

- Examining institutional roles, rules, networks, and principles of administration. Researching service provisions, rights, duties, and the importance of federal and local governance. Addressing challenges in coordination and revitalizing systems for public interest.
- Exploring and focusing on environmental protection, management, and sustainability with an emphasis on Circular Economy principles. Topics include environmental impact assessments, post-clearance monitoring, and environmental services, along with the exploration of Business Responsibility, sustainability reporting, and insights into environmental stewardship.
- Analyzing the development of regimes, democratic principles, and nation-states. Exploring civilization contexts, democratic paradigms, institutional frameworks, organizational behavior, and future prospects.
- Exploring industrial clusters and enterprises (Micro/Small/Medium/Large) in formal and informal sectors. Analyzing cluster approaches, competitive advantages, industrial cluster experiences, incentive schemes, park ratings, rating methodologies, and prospects for product and technology mapping.
- Examining the history of science/scientific revolutions and paradigm shifts related features of manufacturing sector and Service sector. Additionally, exploring the need for machine design and need for product mapping and technology mapping and methodology development process with broad parameters & sub parameters etc.
- Analysis of waste management regulations, focusing on the progress of implementation and response. Further, covering solid waste management, biomedical waste management, and plastic waste management, emphasizing resource conservation and scientific waste management initiatives. Additionally, researching aspects of Swachh Survekshan and Smart City programs.
- Researching the scenarios and programs and regarding new initiatives emerging Skill development, employment generation and division of labour and scope for internships and volunteerism and skilled associateships and insights from initiatives by related Ministries/Departments mandated with addressing such domains.
- Additional themes as per evolving requirements and in consideration of areas of interest of interns that would emerge from the project activities undertaken.
