Many higher educational institutions are pushing to increase research activities to drive innovation and prestige. With thousands of applicants to well-known foundations and funding agencies, researchers face low research funding success rates, rates that have been dropping over the years. For example, the NIH funding success rate has decreased from 31% in 1998 to 19% in 2017. To support research and enable more competitive grants, many institutions are realizing that leveraging AI can not only be a costly endeavor but also brings forth challenges around technology integration and management.

To meet the increasing demands of researchers, institutions are looking to provide AI infrastructure. However, solution cost (57%) and lack of skills (47%) are top challenges impacting the implementation of AI platforms in higher education, followed by a lack of a data strategy (37%), which shows that many institutions don’t have access to the tools and resources to execute.1

Deliver the Next Generation of AI Skilled Workforce

The NVIDIA AI Starter Kit contains everything researchers and faculty need to get started, including the turnkey, industry-leading NVIDIA DGX™ A100 or NVIDIA DGX Station™ A100, ready-to-use AI software, and expertise from NVIDIA and our partners, so you can overcome the challenges of democratizing AI for every student and researcher across domains including Engineering and Computer Science, Life Sciences and as broad as language and linguistics researchers. Some examples of institutions using the DGX platform include the following:


Get your NVIDIA AI Starter Kit Today with Special Pricing for Educational Institutions

THE SOLUTION INCLUDES:

> NVIDIA DGX A100 and/or NVIDIA DGX Station A100.
> 3 years of NVIDIA enterprise support.
> Custom training by NVIDIA DGXperts.
> NVIDIA DLI teaching kits for accelerated computing, data science, deep learning and robotics.
> Joint promotion of published research results.
> Flexible leasing and AI lifecycle management options available.
The Benefits of DGX Systems

> **Attract the Best Talent**
With technology the deciding factor, the most powerful AI platform will increase recruitment of top academic faculty, researchers and students.

> **Tackle the Most Complex Problems**
As research problems and student projects become more complex than ever, access to DGX systems will enable you to handle the exponential growth in data sets and compute requirements.

> **Enable the Future Workforce**
A solid foundation in AI will be a critical enabler and differentiator for graduates entering the workforce as employers continue on the path of digital transformation.
Key Users

<table>
<thead>
<tr>
<th>RESEARCHERS</th>
<th>DEPARTMENT OR LARGER LAB</th>
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</thead>
<tbody>
<tr>
<td><strong>Use Cases</strong></td>
<td><strong>Recommendations</strong></td>
</tr>
<tr>
<td>One or more researchers running AI workloads.</td>
<td>DGX Station A100 for single or multiple users.</td>
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<tr>
<td>A dedicated development platform, often in a small office or lab.</td>
<td>DGX A100 for larger workloads supporting multiple users.</td>
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<td>Flexibility to provide many smaller instances for teaching during the day, and large research runs across full GPUs during the night.</td>
<td>Small NVIDIA DGX POD™ with minimum of 2 nodes to scale demand across multiple teams and departments, and support larger scale training jobs.</td>
</tr>
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</table>

Flexible Architecture to Support Varying Needs
Researchers can run AI and HPC workloads on a single infrastructure. And with Multi-Instance GPU (MIG), multiple GPU instances can power these AI workloads, right-sized for the needs of students and researchers or as a dual use platform for teaching and research.

Support for In-Person and Remote Learning
Easily adapt to changing curricula and access powerful computing from wherever students may be, supporting distance learning at-scale.

Win the Battle for Funding
Researchers with access to powerful infrastructure will often attract additional funding.

Reshape the Future of Learning with AI
The NVIDIA AI Starter Kit makes it easier and faster to tackle AI projects. It includes:

* The Essential Instrument of AI Research
  DGX A100 delivers unmatched flexibility and performance with a simplified plug-in, power-up experience.

* Supercomputing at Your Fingertips
  To get started in AI without a data center, DGX Station A100 provides a powerful AI appliance that just plugs into any standard wall outlet. When you are ready to scale-up, enjoy effortless mobility of AI projects to DGX A100 with predictable performance at scale.

* Ready-to-Use Software for Out-of-the-Box Productivity
  Our growing portfolio of AI models, scripts, and libraries available from the NGC catalog enables researchers to focus on innovating instead of integrating. With over 150 AI and HPC optimized containers, over 100 models and industry-specific SDKs, students and researchers can save hours of work and be assured they always get the best performance.

* Expert Guidance to Realize Results Sooner
  Domain-specific knowledge and expertise from NVIDIA and our partners helps you navigate the path from concept to production.

* A Scalable Infrastructure Aligned to Your Research Endeavors
  With DGX A100, the foundational building block for scalable AI infrastructure, your AI Starter Kit can grow into scaled AI infrastructure whenever you need it to.