

PORTFOLIO

Bejjanki Vijay Kumar

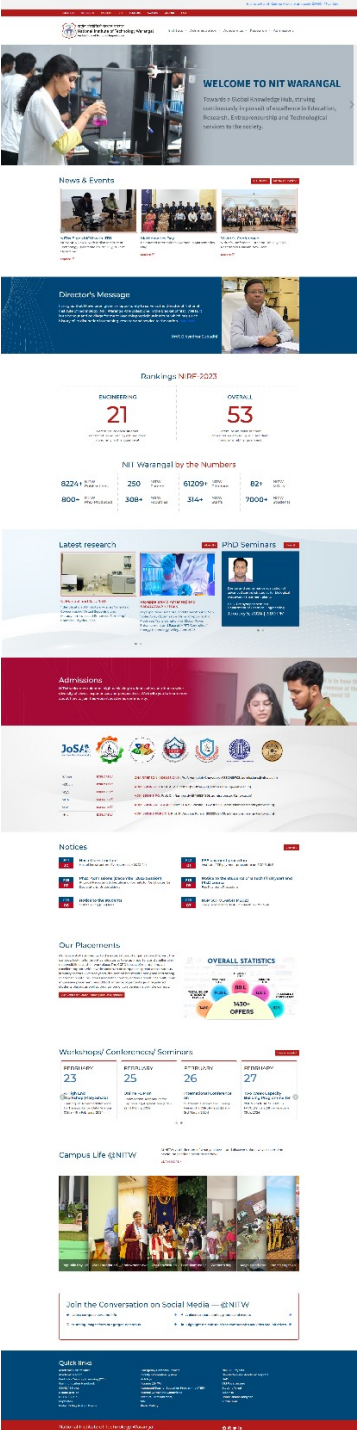
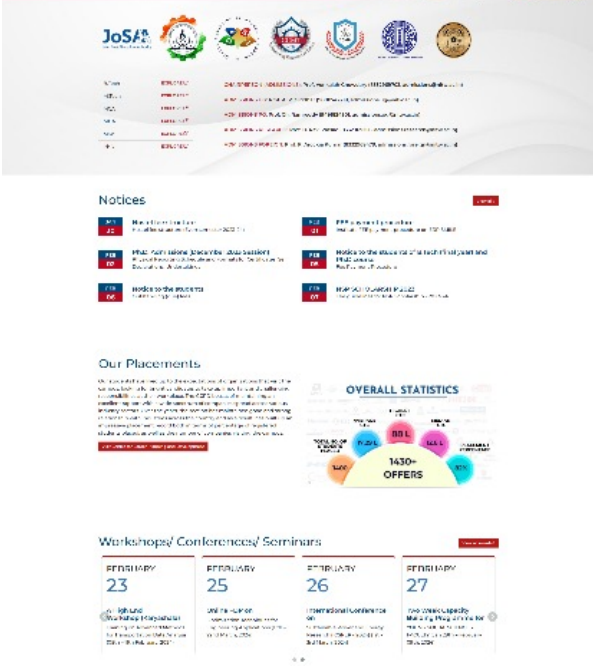
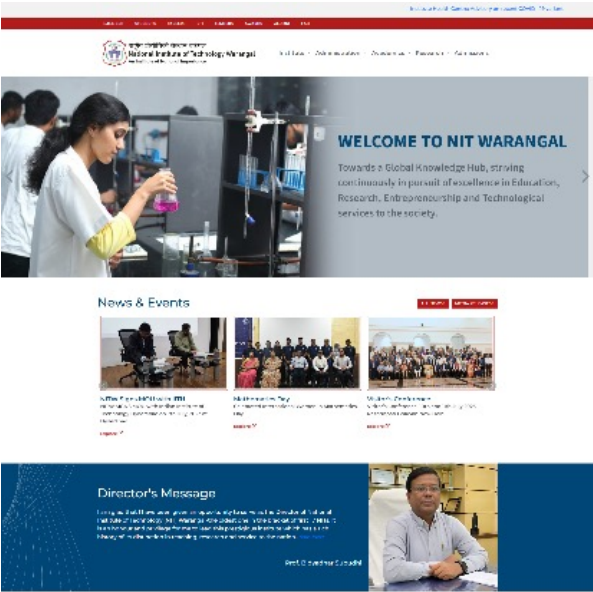
UI Developer

UI/UX

New website for NITW in Django CMS and postgresql

Used Technologies: UI/UX principles, Django CMS, Javascript, jQuery, Bootstrap, HTML5, CSS3, Media Queries

GitHub: <https://github.com/vijaykumarbejjanki/DjangoCMS-NITW>



Development Works

React JS Works Samples

CDIS NITW - <https://www.nitw.ac.in/cdis>

All Department pages - <https://www.nitw.ac.in/cse>

Admission Guidelines NITW - <https://www.nitw.ac.in/adm>

Used Technologies: React Js, Bootstrap, HTML5, CSS3, Media Queries

Responsive Websites

International Relations - <https://www.nitw.ac.in/ir>

Centre for Alumni Relations NITW- <https://www.nitw.ac.in/alumni1>

Unnat Bharat Abhiyan NIT Warangal - <https://www.nitw.ac.in/uba>

Used Technologies: Javascript, jQuery, Bootstrap, HTML5, CSS3, Media Queries

Development Works

- SMILE ERP - Guesthouse Module

Used Technologies: Java, SpringBoot, PostgreSQL, Javascript, AJAX

- Maintained and resolved UI issues on the VISTAAR Regulatory Intelligence Platform application using AngularJS.

Used Technologies: Java, SpringBoot, PostgreSQL, Javascript, AJAX

- Revamped the Zenaws Universities virtual lab management application and worked on implementing new functionalities using jQuery and AJAX Technologies

- Worked on REST Apis

Used Technologies: Java, Spring Boot, PostgreSql

Development Works

National Genomics Core - <https://ngc.cdfd.org.in/>

Worked on Linux platform

Designed and Developed website for Skill Training Cell project.

- Maintained IT activities for the project
- Worked on Moodle Learning Management System

NIOS

- Responsible to designing and development of webpages and navigation of all the vocational courses.
- Responsible for the design and development of page layout, navigation of all the menu items.

Project: <http://hq.nioscms.demodevelopment.com/>

Development Works

Responsive Website

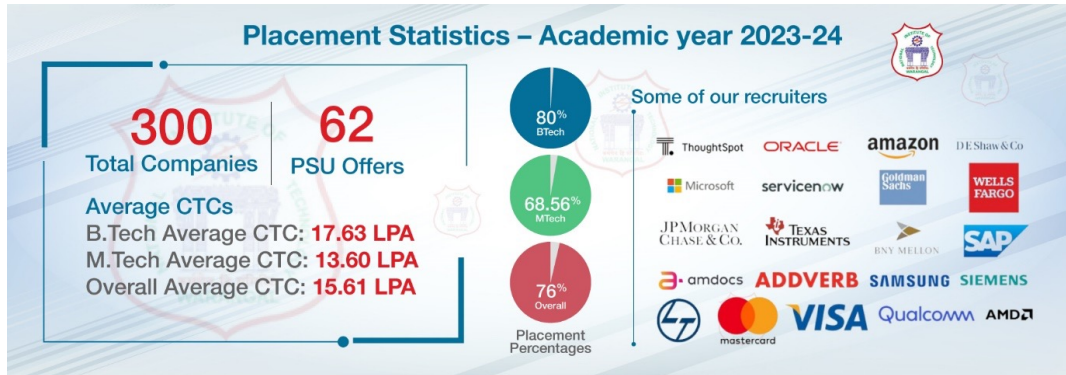
<https://harpercapital.net>

Wordpress Website

<https://giftacraft.in/>

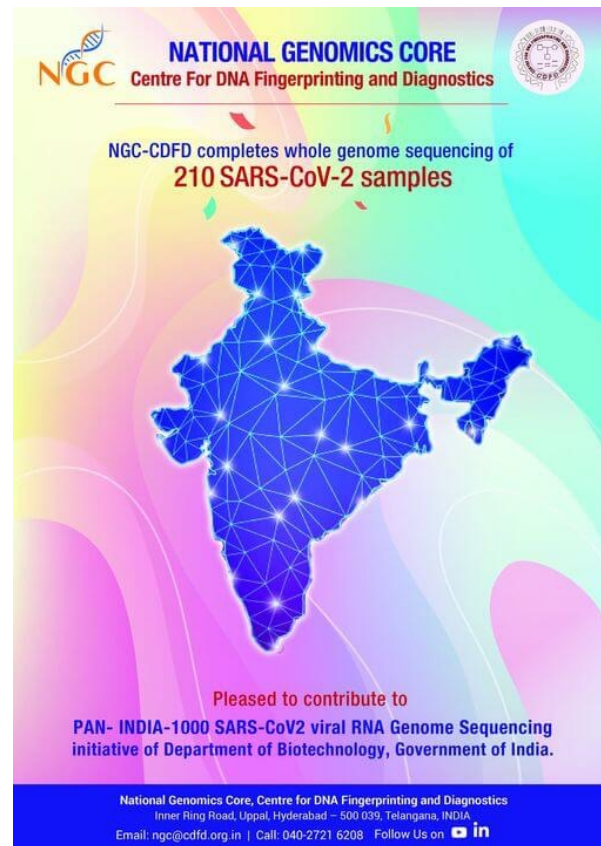
Design Works

Used Technologies: Adobe Creative Suite(Photoshop,Illustrator,InDesign)



Design Works

Used Technologies: Adobe Creative Suite(Photoshop,Illustrator,InDesign)



Design Works

Used Technologies: Adobe Creative Suite(Photoshop,Illustrator,InDesign)

National Genomics Core

- Located At
- South-Central Regional Core**
Centre for DNA Fingerprinting and Diagnostics (CDFD), Hyderabad
ngc@cdfd.org.in | 040 27216208 / 09 / 10
- Central Core**
National Institute of Biomedical Genomics, Kalyani, West Bengal
- North Central Regional Core**
University of Allahabad
Prayagraj, Uttar Pradesh



Why Us?

WE UNDERSTAND YOUR SCIENCE!

At NGC, experts with Ph.D and international experience are using top notch technologies to carefully plan and answer your specific genomic queries.



Our Vision
To become most preferred launch pad for next level genomic revolution

Our Mission
To provide futuristic genomic solutions for the advancement of life sciences.

Our Commitment
To offer superior services to convert great ideas into milestone discoveries.

Who are we?


National Genomics Core has been established by the Department of Biotechnology, Govt of India to provide high end genomic solutions and as a full-service provider for the research needs of academic institutes and industries.

We aim to provide a robust platform for skill development in genomics and utilization of high-throughput technologies to solve Life Science challenges, thus developing genomics applications to ensure social and health benefits for All.

Our Core Competencies

- Providing a robust platform for
 - Skill development in genomics
 - Utilization of high throughput technologies to solve Life science storage challenges
 - Computation, statistical analysis, storage and management of big data
- Stimulate transformative research
- Developing genomics applications for
 - National economic growth
 - Ensuring Social and health benefits

National Genomics Core
Centre for DNA Fingerprinting and Diagnostics



INSTRUMENTS

Illumina Miseq FGx

- First fully validated next-generation sequencing (NGS) solution designed for forensic science
- FBI NDIS approved
- Analysing over 200 genetic markers using a single, streamlined workflow

Illumina Nextseq 2000

- First in South-Asia, Illumina's latest cost-effective, high-throughput system for diverse genomics applications
- Reduced sequencing costs and deeper exploration for ground breaking discoveries in basic biology, health, agriculture, oncology, microbiome research, forestry, livestock, marine and many more

Agilent Tapestation 4200

- Fully automated sample processing for DNA and RNA sample quality control
- Results obtained within 1-2 minutes per sample
- Requires as little as 1 to 2 µL of DNA or RNA samples

WE OFFER



Whole Genome Sequencing

- De Novo Genome Sequencing
- Whole genome Resequencing
- SARS-CoV-2 Genome Sequencing

Forensic genomics

- Forensic genomics using the FDA proved ForenSeq DNA Signature Prep Kit (Verogen Inc, San Diego)

Metagenomics

- Metagenomic Sequencing
- 16S/18S/ITS Sequencing

Transcriptomic Sequencing

- Whole transcriptome sequencing
- mRNA-Sequencing
- Small RNA sequencing
- Direct RNA Sequencing

Epigenomics

- Methylation Sequencing
- ChIP Sequencing

Enrichment based Sequencing

- Whole Exom Sequencing
- Targeted Disease Panel
- Amplicon Sequencing
- Genotyping - by - Sequencing

Customized Genomics Solutions

- GRO Sequencing
- SARS-Cov-2 Genome Sequencing

Planning and Experimental Design

Library Preparation

Sequencing

Data Analysis

Data Delivery

INSTRUMENTS

Oxford Nanopore GridION X5

- Long read sequencing with enhanced analysis of repetitive regions, structural variation, phasing, metagenomics, and more
- Run multiple DNA/RNA sequencing experiments simultaneously As much as 150 Gb of data – streamed in real time for immediate analysis
- Automate sample and library preparation using VoITRAX- enabling reproducible and portable sample preparation

Agilent 2100 Bioanalyser

- Highly precise analytical evaluation of DNA and RNA using specific microfluidic chip
- Requires as little as 1 µL of DNA or RNA samples

Quantus™ Fluorometer

- Compact, dual-channel fluorometer for quantifying nucleic acids
- Designed to provide highly sensitive fluorescent detection of DNA or RNA

Trainings

Full Stack Web Developer - MEAN Stack

Specialized in front-end, middleware, and back-end Full Stack Web Developer technologies.

DevOps for Absolute Beginners: Azure DevOps, Docker, Kubernetes, Jenkins, Terraform, Ansible - AWS, Azure & Google Cloud - udemy