We are happy to inform you that **NIT Kurukshetra** is going to organize workshops to celebrate the **Diamond Jubilee** of the institute to empower India in Digital Skills

Our Objective is to help the local youth become skilled and employable. These workshops will help initiation of learning and competition will create unforgettable experiences and refine the skills of the participants in the area. The exhibition of the entire event will help more students/future participants be motivated.

Who can participate?

School students of class 9 to class 12 are eligible to participate in the events. Participants needs to bring their school Identity card, or a bonafide certificate stamped and signed by the school principal.

Details of the events-

A. Workshops

One day Workshops on **Website Development, Blogging, Google Suite** and **Scratch** are going to be held on **Saturday, November 05, 2022,** from **9:00 AM to 2:00 PM**. Participation can be ensured by online registration (https://forms.gle/nk9b3Kd89XjVchrr8). Since the seats are limited we will shortlist the participants on a First Come First Serve basis.

The tentative schedule of the workshop:

Schedule	Time
1. Registration	08:00-08:45
2. Lab and Computer Assignment	08:45-09:00
3. Session #1	09:00-11:00
4. Lunch Break	11:00-12:00
5. Session #2	12:00-14:00
6. Workshop Closure (Participation Certificates)	14:00-14:30

*Admission to the workshop is completely at the discretion of NIT Kurukshetra and cannot be questioned. No conversation in this regard will be entertained.

Workshop Details

Workshop 1/Web Development	Workshop 2/Web Applications

Web from scratch
• HTML
• CSS
• Designing of the same
Blogging
• Blogger
• Tools, widgets
	Scratch
	• Game Development
	• Animation Development
	Google Suite
	• Google Applications
	   ○ Word, Sheets
	   ○ Sites

ABOUT WORKSHOP

WORKSHOP 1:

This workshop will introduce the audience to front-end development, which will further help them in exploring Website development, Advertising, Freelancing, Design studios and many more areas. They will be provided with knowledge of HTML and the Basics of CSS.

Going further, Students will learn how to do content writing i.e BLOGGING. They will be taught various tools to blog: Where to write (Platforms), What to write, and How to write, which will in turn help them to create blog posts and web pages, craft social media posts and email marketing and even work on press releases and so much more.

WORKSHOP 2:

This workshop will introduce the audience to Scratch, a visual programming language which is a beginner-friendly coding language. They will be taught to build a game using it. It will be an opportunity for all those who want to try their hand in this field. Students will get to learn basics of Scratch coding, an animation project, building a game and much more.

Taking it further, students will be taught Google Suite(Docs, Sheets, Sites, Forms and Keep). They will be introduced how to use Google suite effectively. G Suite offers a one-stop shop for email hosting, storage, and file collaboration that is perfect for any modern-day business. It is built on Google Cloud Platform that boasts the highest security in the market, hence provides email encryption in transit. Gmail offers excellent integration with third-party apps.

B. **Competitions** will be organized under following categories-

1. Digi Art Work

   ● Make Presentation, Images, graphic art etc. to aware about waste management (Reduce, Reuse and recycle) in day-to-day life including e-waste

2. Websites & Blogging

   ● Explain concepts from Mathematics, and Science as effectively as possible

3. Video & Game making

   ● Explain concepts from Mathematics, and Science as effectively as possible

The competitions are open for School Students. A team of 1-3 individuals can register for the competition. The topics of the competitions are provided in **Annexure I.**

Regular updates will be posted on the

Digital India [Facebook page](https://www.facebook.com/profile.php?id=100069849185497) (https://www.facebook.com/profile.php?id=100069849185497), [Instagram](https://www.instagram.com/digitalindiakkr/) (https://www.instagram.com/digitalindiakkr/), and [website](https://sites.google.com/view/nitkkr-tech-workshop/home) (https://sites.google.com/view/nitkkr-tech-workshop/home).

The last date of submission of all the entries will be **Saturday, November 19, 2022, by 09:00 AM**. All entries will be submitted with details of all the participants (Name, Class of the Participants, School, School's Address, mobile number, email-id, and Submission Category) at **di.nitkkrchapter@gmail.com**. Every team has to compulsorily send a video, presenting their work, by Saturday, November 19, 2022, for evaluation. And late entries will not be considered for competitions. Selected entries will have to present it physically at the department on November 23, 2022. Others may present their entries as posters for all the visitors. Specify the category of submission clearly, in the subject itself, to avoid misjudgment. Send your queries and entries to di.nitkkrchapter@gmail.com with a mail template as follows-

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Subject: **DI2022 NIT KKR** *<Category>*

Body of mail should contain following details of all the team members- **Name, Class, his / her's School, School's Address, Mobile Number, Email-id**

Self Declaration

Note: All the participants' needs to add a self-declaration -

"We,____(name of all the teammates) have made this/these item/items by ourselves. We have named and well referenced all the inspirations we have taken from others with best of our belief. Moreover, we will take all the responsibility in case the work is found to be copied. We know that we cannot put others' work by our name in this workshop. We also admit that in case of any dispute the decision of the Judging committee will be the final and abiding by us."

Note for participants of competitions

- Without proper mail, your entry may be discarded without any notice/reminder.
- All the participants should check our [Facebook page](#) and [website](#) to be updated on the events and news.
- You not only need to present what you wanted to mean by the entry that you made but also how you created them, so bring your laptop or install (only free/open source software) on lab systems provided to you as per the instructions so that judges can evaluate you about your skills.

Points to be considered to choose winner:

- Tools used (Understanding of the tool)
- Creativity
- Neatness and clarity in the thought and presentation

IMPORTANT DATES

November 1, 2022: Last date of registration to participate in the workshop

November 3, 2022: Participation confirmation is announced through email

November 5, 2022: Workshop (8:00 AM-2:00 PM)

November 19, 2022: Last date of submissions (9:00 AM)

November 21, 2022: Shortlisted entries will be announced by 5:00 PM on the website

November 23, 2022: Presentations from all the Shortlisted entries for their submissions (5+2 minutes) and Certificate Distribution

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ORGANIZING COMMITTEE

Patron: Prof. BV Rammana Reddy

Convener: Dr. Sandeep Kumar Sood

Organizing Committee: Dr. Kapil and Dr Ashish Chopra

ABOUT US

Kurukshetra

Kurukshetra is popularly known for its historical and religious importance. Here, the battle of Mahabharata was fought, and Lord Shree Krishna delivered the divine message as enshrined in the holy book "Shrimad Bhagwad Gita". It is also known as DHARMAKSHETRA and it attracts devotees from all corners of world all round the year. Kurukshetra is very well connected by Rail, Delhi- Ambala section, by Road (NH1, connecting Delhi- Chandigarh-Amritsar-Jammu) and by Air (Delhi 160 km and Chandigarh 80km). The NIT Kurukshetra campus is situated about 10 km from Pipli, Bus stand is located on NH1 and about 4 km from Kurukshetra railway station.

National Institute of Technology Kurukshetra

NIT Kurukshetra, formerly known as Regional Engineering College, Kurukshetra was founded in 1963. It was conferred upon the NIT status, with Deemed University on June 26, 2002. The Institute offers several courses, in various disciplines of B.Tech., M.Tech., MBA and MCA and Ph.D. with an annual intake of about 1500 students. Institute also provides excellent facilities for advanced research in the emerging areas of Engineering, Science, and Technology. The institute has well qualified and dedicated faculty along with supporting staff, laboratories and other infrastructure. The infrastructure is geared to enable the institute to produce technical personnel of high quality.

Department of Computer Applications

The department started offering MCA Programme in 2007 with an initial intake of 90 students and subsequently rose to 96. The department is proud to have a record of almost 100% placement for the last many years. Department started PhD program in 2010. So far 13 PhDs have been awarded and 15 PhDs are in progress. Currently, there are four sponsored projects undergoing in the department.

The faculty of the department has specialized areas for advanced studies and research in the Internet of Things, Big Data Analytics, Cloud & Fog Computing & Security, Cyber-Physical-System, Network & Information Security, Quantum Computing, Fault detection in Digital Circuits, Knowledge-Based Systems, Semantic Web Technologies, Natural Language Processing, Image Processing, Machine Learning, Wireless Sensor Networks.

The department is well equipped with state-of-the-art laboratories in all major domains of Computer Science with excellent intranet, servers, hardware and software support.

Each year, many students of the department get selected for higher studies in the world's most reputed Universities and Institutes. The department is equally active in research with many quality publications each year in IEEE, Sciencedirect, ACM, Springer, Wiley etc.