



KKR&KSR Institute of Technology and Sciences Vinjanampadu, Guntur, Andhra Pradesh-522017

Approved by AICTE, New Delhi and Permanent Affiliation from JNTUK, Kakinada
(Accredited with "A" Grade by NAAC Accredited By NBA)

DEPARTMENT OF CIVIL ENGINEERING

TWO WEEK WORKSHOP ON AUTOCAD

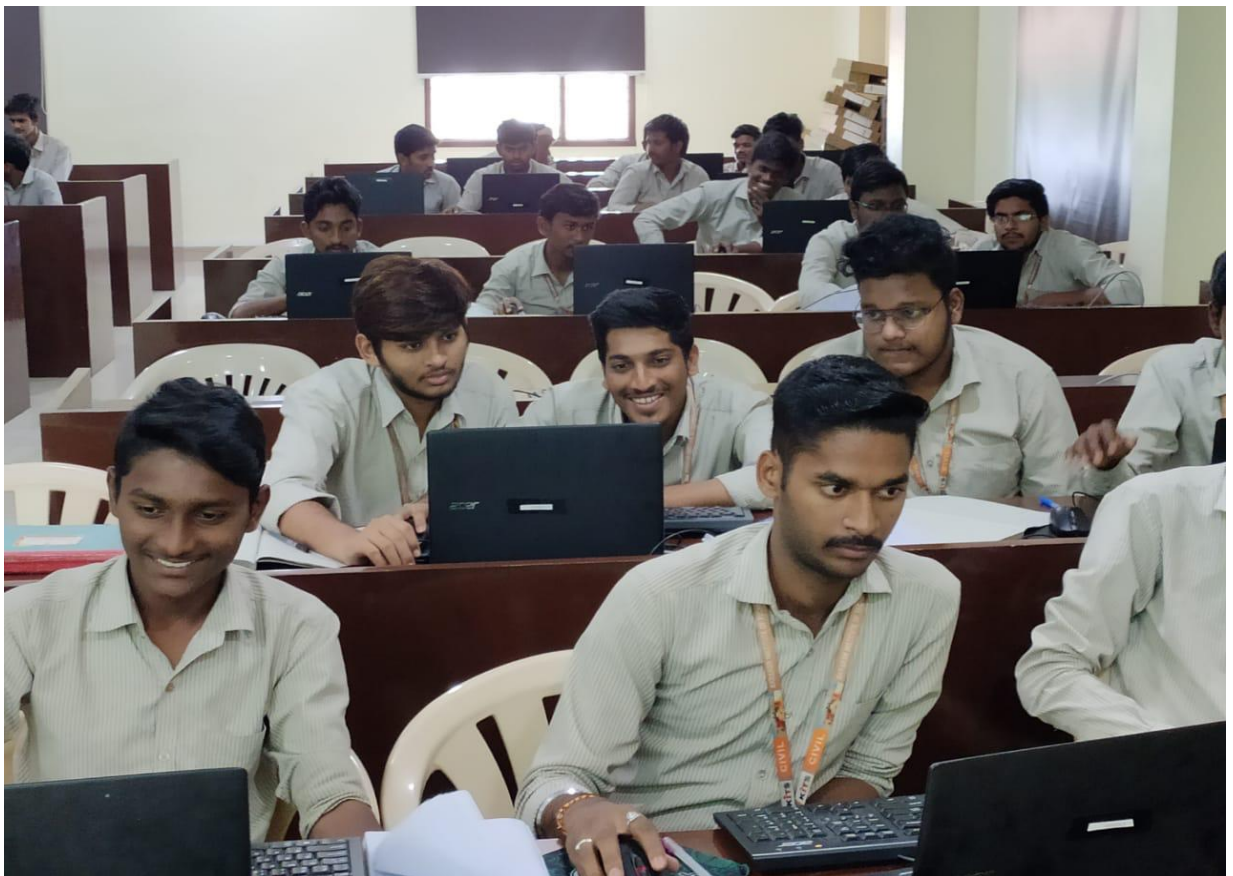
1. **Objective of the Event:** The objective of the event is to improve the skills in the students by exposing them to the latest software's which are in demand in the industry.
2. **About the Program/Event:** AutoCAD is the simplest of the software used for drafting, annotation and modelling purposes. Earlier, People used to draw the layout of a structure on a sheet of paper. Though bigger layouts could be drawn with the help of scale it had its own limitations as it could not show much details. But the use of this software has substantially reduced the dependence on sheets for drafting or drawing. It truly has made the work a lot easier. You can show the slightest details of a layout with higher accuracy. Learning this software can make your work simpler and easier with least chances of error. For a civil engineer it is close to necessary.
3. **Details of Resource Persons :**
 - a. Name & Address, Qualification, Designation, No of Patents, No of Publications, Years of Experience, Awards (if any)
 1. V.Brahmesh, B.Tech, Trainer Cum Developer
 2. K. Srikanth, B.Tech, Trainer Cum Developer
 3. B.Satayavathi, B.Tech, Trainer Cum Developer
4. **Venue of the Event:** KKR & KSR institute of technology and sciences
5. **Date & Time of the Event:** 17-02-2020 to 29-02-2020, 8:10 to 3:40 every day
6. **No of Students participated:** 123
7. **Year, Branch and Section of Students:** II/IV, CIVIL ENGINEERING, A&B
8. **No of Faculties participated:** 2
9. **One Student Member Feed Back:**

Iam K.N.S Lokesh my Id 18JR1A0163 . The explanation of the trainers regarding the software is good. The workshop provided a good understanding of the software during the short time of one week. Individuals who currently work in or are pursuing careers in architectural and other building professional fields will discover many benefits of using Autocad. The BIM workflow offered by Autocad not only maximizes productivity but also helps to streamline our design and documentation workflows; speeding projects from design to completion while automating

updates across our model with a single design change. Autocad offered many other tools and features that can enhance productivity such as Physical Materials for Building Performance Analysis, Autodesk 360 Integration, Work-sharing, Construction Modeling, Bidirectional Associativity, Parametric Components, and much more. we are very thankful to the institute for providing such an opportunity for learning advanced software's in the early stages of our carriers

10. Event Photographs from different angles covering all the students,





11. Benefit in terms of learning/Skill/Knowledge obtained *:

AutoCAD for **Civil Engineering** offers a lot benefits. Not only it will save time and money when using the software, it'll also decrease drafting error, produce better quality renderings and be able to offer a complete solution to everyone involved in the project.

Using AutoCAD services for civil engineering offers the following features :

- -Base map creation
- -Better construction documentation
- -Bridge modeling
- -Design concepts with InfraWorks 360
- -Geospatial analysis
- -Geotechnical modeling
- -GPS survey & data collection
- -Greater drafting standards and styling tools
- -Greater pressure pipe networks
- -Heightened reality capture
- -Improved corridor design
- -Improved gravity pipe networks
- -InfraWorks 360 Capibility
- -Map production and creation
- -Model analysis

12. Experiences and Output of the Session

The students found the trainers very interactive and they clarified every point in a detailed way. The trainers used effective language which is understood easily by the students. The trainers cleared the doubts of the students by engaging with them very patiently.

As a student, learning autocad will boost your career aspects in the industry as it will be a plus point on resumè.

As a site engineer, learning autocad is important because sometimes, you may require to sort out any error or doubt in your mind or client's, in those cases if you have the drawing file and know how to use autocad, then you can do it on own in stead of waiting for reply from the design team each and every time and ehansing minimizing the delays in the project.

As a design engineer / draftsman, autocad is of utmost importance since your career will start with autocad only. You will have to draw the drawings first in AutoCAD as per designs provided to you by



your seniors and the accuracy of you drawings will the key in implementation of the design and drawings at site. Even if you are a designer, in that case also, you will need to check the drawings prepared by the draftsmen to ensure no error is there. If you know autocad then it will be a lot easier to check than manually checking each and every detail.