



Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

Hingna Road, Wanadongri, Nagpur - 441 110

NAAC Accredited with 'A' Grade

Ph.: 07104-242919, 242623, 242588

Website : www.ycce.edu E-mail : principal@ycce.edu


Summary

1.3.2 Number of value-added courses for imparting transferable and life skills offered during last five years

Year	2020-21	2019-20	2018-19	2017-18	2016-17
Total	25	22	20	20	15

- Brochure/ other document relating to value added courses
- Notice regarding VAC
- Department wise Report of VAC
- Training programme schedule of VAC





(Dr. U.P. Waghe)
Principal, Y.C.C.E.
Principal
Yeshwantrao Chavan
College of Engineering
Wanadongri Hingna Road,
NAGPUR-441110

1.3.2 List of value-added courses for imparting transferable and life skills offered

(2019-20)	
Sr.No.	Name of the value added courses
1	Value Added Course on Analysis and Design of Civil Engineering Structures using STAADPRO
2	Value Added Course on Revit Software
3	Value Added Course on Introduction to STAADPRO
4	Value Added Course on AutoCAD
5	Machine Learning for Manufacturing
6	Advance Optmization for Manufacturing
7	Plant Design Manufacturing System
8	Introdution to Iot programIng
9	MATLAB APPLICATIONS FOR ELECTRICAL ENGINEERING
10	Career Planing through your Final Year Project
11	Basics of Arduino
12	ESIM
13	ISTE SDP on Implementation of CMOS VLSI and DSD under IEEE SB
14	SDP on Advances in Embedded system and IoT
15	Block Chain & Etherium
16	Open Source Tools
17	C and CPP (Spoken Tutorial)
18	Certificate course on on IBM Watson
19	Campus Recruitment Training
20	Advanced Get Set Go
21	Industrial Programming Language
22	Get Set Go




Principal
 Yeshwantrao Chavan
 College of Engineering
 Wanadongri Hingna Road,
 NAGPUR-441110


Dean (Acad)
 Yeshwantrao Chavan
 College of Engineering
 Wanadongri Hingna Road
 NAGPUR - 441 110

INDEX

Sr. No.	Particulars		Page Nos.
1	Brochure /other documents related to VAC Notice / Report / Training programme schedule	CV	03-24
2	Brochure /other documents related to VAC Notice / Report / Training programme schedule	ME	25-37
3	Brochure /other documents related to VAC Notice / Report / Training programme schedule	EL	36-48
4	Brochure /other documents related to VAC Notice / Report / Training programme schedule	EE	49-62
5	Brochure /other documents related to VAC Notice / Report / Training programme schedule	ET	63-72
6	Brochure /other documents related to VAC Notice / Report / Training programme schedule	CT	73-78
7	Brochure /other documents related to VAC Notice / Report / Training programme schedule	IT	79-81
8	Brochure /other documents related to VAC Notice / Report / Training programme schedule	Instd.	82-106



Nagar YuwakShikshanSanstha's
YeshwantraoChavan College of Engineering
(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)
Hingna Road, Wanadongri, Nagpur - 441 110
Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

DEPARTMENT OF CIVIL ENGINEERING

Date: - 02/08/2019

NOTICE

V Sem. B.E. Civil

It gives us immense pleasure to announce that the Department of Civil Engineering, Yeshwantrao Chavan College of Engineering, Nagpur is organizing a Value-Added Course on "BUILDING ANALYSIS BY STAAD PRO".

All interested students of 3rd year Civil Engineering are instructed to register themselves with Prof. Dhiraj Agrawal

Total Duration of the course is 30 Hrs

The Schedule of classes will be conveyed after the registration.

After completion of course. Students having attendance more than 80% will get the certificates.

Dr. S. R. Khandeshwar
Head, CE Dept, YCCE



























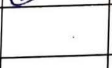





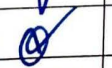



DEPARTMENT OF CIVIL ENGINEERING

Date:02/08/2019

NOTICE

All the teaching and non-teaching staff hereby informed that Value-added course is being organized by Civil Engineering Department on "STAAD PRO" by Ashish Thakur. All the interested staff is requested to attend the same.


Dr. S. R. Khandeshwar
Head, CE Dept, YCCE

S.N.	Name	Signature	S.N.	Name	Signature
1	Dr. Udaykumar P. Waghe		22	Mr. PrashantBaban Pande	
2	Dr. AnantManohar Pande		23	Mr. AtulSambhuji Kurzekar	
3	Dr. SantanuRamkrishna Khandeshwar		24	Mr. VivekDnyandeo Jayale	
4	Dr. SudhirVasantrao Ambekar		25	Mr. HarshalMadhukar Warade	
5	Dr. AbhayVinayakrao Patil		26	Ms. PallaviShalikram Chakole	
6	Dr. Vilas Ganuji Meshram		27	Ms. SnehalKarunkumar Kamble	
7	Dr. Ajay Ramdas Gajbhiye		28	Mr. Sourabh Mahesh Amrodiya	
8	Mr. RajendraSureshbabu Deotale		29	Mr. SanketGajanan Kalamkar	
9	Dr. RajendraRupraoji Dighade		30	Mr. SagarWasudeo Dhengare	
10	Mr. Sanjay Manohar Waghmare		31	Ms. MonaliRewashankar Wagh (Nikhade)	
11	Mr. BhupeshPurshottam Nandurkar		32	Mr. YogeshPrabhakar Kherde	
12	Dr. Sanjay Padmakar Raut		33	Ms. SnehaGowardhan Hirekhan (Wankhede)	
13	Ms. VaishaliNilesh Mendhe (Bhadke)		34	Mr. Rajesh Madhukar Bhagat	
14	Ms. CharutaSubhash Waghmare		35	Aziz Ahmad MohdGhous	
15	Mr. Khalid Shamim Ansari		36	PrakashHarichandra Lute	
16	Mr. HarshalRameshrao Nikhade		37	YeshwantNanaji Choudhary	
17	Mr. JayantManohar Raut		38	Ashok Gunderao Warhade	
18	Mr. Dhiraj Giridharilal Agrawal		39	ShyamGanpati Parate (Shahir)	
19	Mr. PawanKesaorao Hinge		40	SushilMaratarao Gadge	
20	Ms. AmrutaArun Yadav (Adekar)		41	DvpratapSankthaprasad Tiwari	
21	Ms. SangitaShivcharan Meshram		42	RavindraShankarao Mahabudhe	

Registration Form

Name of Student: - _____

Name of Institute: - _____

Name of Branch: - _____

Section and Roll No.: - _____

Enrollment No.: - _____

Email-Id: - _____

Contact No.: - _____

Sign of Student: - _____

Objectives of the Workshop

- To make the student aware of STAAD PRO as it is a comprehensive civil engineering software that addresses all aspects of engineering including model development, verification, analysis, design, and review of results
- To Enhance knowledge of STAAD PRO that will help students to pursue their career in the field of analysis and design of civil engineering structures
- To boost entrepreneurship in the field of STAAD PRO The expected audience is 3rd year students of B.E. Civil Engineering.

The registration is free. The student participants will be awarded with certificate of participation.

Contact for Registration: -

Mr. Harshal Warade

Convener

waradehm@gmail.com, 9822999288

Mr. V.D.Jayale

Coordinator

Vivekjayale26@gmail.com, 9955262841

Value Added Course/ Workshop

on

BUILDING ANALYSIS BY

STAAD PRO

On

05/08/2019 to 10/09/2019`

Organized by



**Department of Civil Engineering
YeshwantraoChavan College of Engineering,
Hingna Road, Wanadongri, Nagpur**

Principal Convener

Mr. Dhiraj Agrawal

Assistant Professor

Department of Civil Engineering,

Convener

Mr. H.M.Warade

Assistant Professor,

Department of Civil Engineering,

Coordinators

Mr. P. K. Hinge

Assistant Professor,

CE Department,

YCCE

Mr. V.D.Jayale

Associate Professor,

CE Department,

YCCE



Nagar YuwakShikshanSanstha's
YeshwantraoChavan College of Engineering
(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)
Hingna Road, Wanadongri, Nagpur - 441 110
Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

DEPARTMENT OF CIVIL ENGINEERING

Value Added Course on "BUILDING ANALYSIS BY STAAD PRO"

05/08/2019 -10/09 /2019

Speaker: - Mr. Ashish Thakur

Designation:- Assistant Engineer, ASTRAL LTD.,NAGPUR

- Introduction of Mr. Ashish Thakur by Prof. Khalid Ansari.
- Welcome to Mr. Ashish Thakur by Prof. Sanket Kalamkar.
- Session by Mr. Ashish Thakur
- Q and A Session.
- Vote of Thanks by Prof. Khalid Ansari.



Nagar YuwakShikshanSanstha's
YeshwantraoChavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)
Hingna Road, Wanadongri, Nagpur - 441 110
Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

Department of Civil Engineering

Report on Value Added Course on "BUILDING ANALYSIS BY STAAD PRO" 05/08/2019 to 10/09/2019`

This Value Added Course on "BUILDING ANALYSIS BY STAAD PRO" was an attempt to enlighten the students to the software world. Mr. Ashish Thakur, Currently working as Assistant Engineer ASTRAL LTD NAGPUR, shared his experience with students and also gave the students a realistic view of the software world. He also guided the students regarding the lessons he learned as a fresh graduate and how he dealt with the difficulties he faced. He shared his experiences with his job and the philosophies .

The objectives of this Value Added Course on "STAAD PRO" are to get aware students about basic choices: work or further study. But even within those, there are several paths, so it is important to figure out which fits with where one wants to go in life. The purpose of conducting this course is to give students an exposure in the area of design and make them aware of the new software used nowadays in industry and used for structural planning which will help them in completing their design project effectively. The students at large were benefitted from this course.

The detailed schedule for the VAC is given below:

BUILDING ANALYSIS BY STAAD PRO Total Duration : 30 Ds	
D 1	Overview of Structural Analysis and Design • Calculating Shear Force and Bending Moment values for various supports and load types • Introduction o STAAD.Pro V8i o STAAD Editor
D 2	Co-ordinate Systems o Global Vs Local • Creating a New Project in STAAD.Pro • Units • Model Generation o Creating Nodes & Members • Select Menu
D 3	Model Editing Tools o Translational Repeat o Circular Repeat o Move o Mirror o Rotate o Insert Node ♣ For a Single Member ♣ For Multiple Members o Add Beam ♣ Point to Point ♣ Between Midpoints ♣ Perpendicular Intersection ♣ Curved Member



Department of Civil Engineering

STAAD PRO Total Duration : 30 Ds

D 4	Model Editing Tools o Connect Beams Along o Stretch Selected Members o Intersect Selected Members o Merge Selected Members o Renumber o Split Beam o Break Beams at Selected Nodes
D 5	Creating Models by using Structure Wizard Mini Project 1

Total 195 students registered for the program. The student delegates were very enthusiastic and also had given their best for the success of the program.


(S.R. Khandeshwar)



Nagar YuwakShikshanSanstha's
YeshwantraoChavan College of Engineering
(An Autonomous Institution affiliated to RashtrasantTukadojiMaharaj Nagpur University)
Hingna Road, Wanadongri, Nagpur - 441 110
Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

DEPARTMENT OF CIVIL ENGINEERING

NOTICE

**(B.E VI Semester ALL Section)
"REVIT" VALUE ADDED COURSE"**

SECTION	SCHEDULE DATE
A/B/C	1,08,22 Feb.2020 & 7,14 Mar.2020

**Timing 10.00 am to 04pm@ Computer lab,
Civil Engineering Department**



**Organized By,
Department of Civil Engineering,
YCCE, NAGPUR**



All students are hereby informed that the REVIT course attendance is compulsory for VI Semester ALL Section. Credits will be considered. Certificate of participation will be provided to each participant.

**Dr. S. R. Khandeshwar
Head, CE,Dept.**

**Prof. S.W.Dhengare
Organiser**



Nagar Yuwaka Shikshan Sanstha's
Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

Hingna Road, Wanadongri, Nagpur - 441 110

Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

DEPARTMENT OF CIVIL ENGINEERING

Schedule of the Program Week wise

DATE	CONTENT
01/02/2020	Introduction to Revit Architecture GUI Basic creation of Plan Start a project Project Units Levels Walls
08/02/2020	Basic Wall creation Wall Compound Wall Modify Wall Stacked Wall Wall Opening Door
22/02/2020	Window Floor 3Dmodelling Components Ceiling Roof
07/03/2020	3Dmodelling Stair Railing Views Section View Elevation View Camera View
14/03/2020	Visualization Perspective Views Rendering Visualization Walkthrough Print



Nagar Yuwaka Shikshan Sanstha's
Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)
Hingna Road, Wanadongri, Nagpur - 441 110
Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

DEPARTMENT OF CIVIL ENGINEERING

Report on Value Added Program/Course on Revit Software 1,08,22 Feb.2020 & 7,14 Mar.2020 (30 hrs Duration)

The scope of Revit Software is an ever-changing, ever-growing tool for making activities and tasks easier to complete. With the support of IE (I) Students Chapter, Department of Civil Engineering Organized Value-Added Program/Course on Revit Software for VIII Semester Students by CADD Center

The programme is chaired and inaugurated by Dr. A. R. Gajbhiye, Student Activity In charge, Prof. K. S. Ansari, Prof. S. G. Kalamkar, Prof. V. D. Jayale, Prof. S. W. Dhengare

The course was aimed at understanding Revit Software which is advance level software for design and analysis. Firstly, Dr. A. R. Gajbhiye welcomed all. He motivated Student by explaining importance of Revit in current era to minimize cost overrun and time over run and these could be possible with the use of Revit tools.

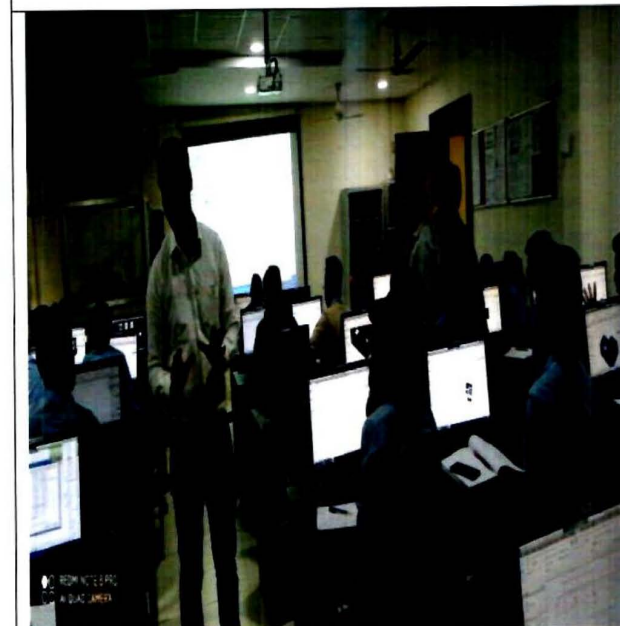
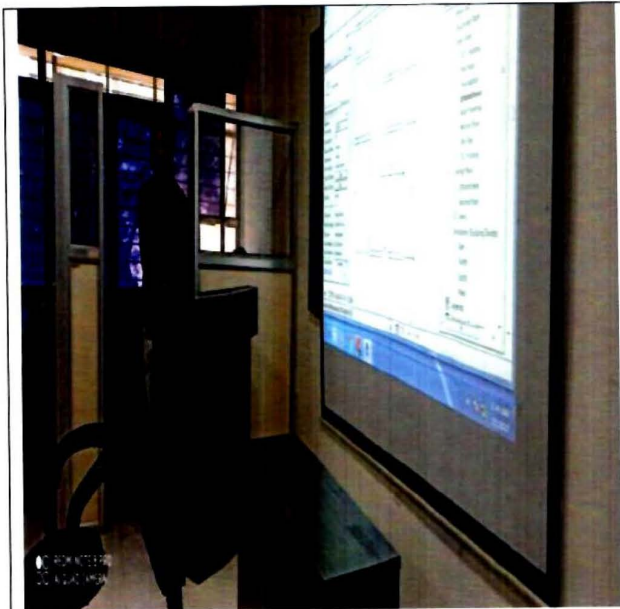
Faculty from CADD center addresses the students about significance of the Revit in current era. Faculty from CADD center started the session by introducing the software to the students and its huge implications in the corporate sector. He explored the basic concepts Revit and other similar software. The training enabled the participants to learn the design and analysis.

The program concluded with valedictory session with Question Answer Session. The concluding remarks were given by Prof. K.S.Ansari. **88 Students** from VIII Semester (A, B & C Section) of B.E Civil Engineering Students participated in this Program gave positive encouraging feedback.

Nagar Yuwaks Shikshan Sanstha's
Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)
Hingna Road, Wanadongri, Nagpur - 441 110
Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.yccc.edu

DEPARTMENT OF CIVIL ENGINEERING



Mr. Sachin is delivering lecture on Revit

[Handwritten Signature]
K. S. Ansari

[Handwritten Signature]
(Dr. S. S. Khandeshkar)
Head
Department of Civil Engineering
Y. C. College of Engineering
NAGPUR-441 110



Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

Hingna Road, Wanadongri, Nagpur - 441 110 (M.S.)

Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that Mr. / Miss. _____ has attended Value Added Course (30 Hrs Duration) on Revit Software organized by Department of Civil Engineering, Yeshwantrao Chavan College of Engineering, Nagpur & IEI(India) held on 01,08,22 Feb.2020 & 7,14 Mar.2020.

This certificate is issued for his / her participation & excellent interaction during Value Added Course (30 Hrs Duration).

Mr. K.S. Ansari
Asst. Professor
IEI Co-ordinator

Mr. V. _____
Asst. _____
Co-o _____

Mr. S.W. Dhengare
Asst. Professor
Co-ordinator

Mr. S.G. Kalamkar
Asst. Professor
Co-ordinator

Dr. S.R. Khandeshwar
HOD, CE,
YCCE, Nagpur



Nagar Yuwak Shikshan Sanstha's
Yeshwantrao Chavan College of Engineering
 (An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)
 Hingna Road, Wanadongri, Nagpur - 441 110
 Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

D-12

Recd - 5/11/19

- 6.15 PM

DEPARTMENT OF CIVIL ENGINEERING

NOTE

Date: - 15th October 2019

Subject: Permission for conducting value-added course on Analysis and Design of Civil Engineering Structures using commercial software.

Looking at the need of industries linked to Civil Engineering for latest technologies and use of software specifically in analysis and design of Civil Engineering structures, department of Civil Engineering of our esteemed institute designed a proposal for conducting the value-added course on "Analysis and Design of Civil Engineering Structures using STAAD Pro software."

The above-mentioned value-added course will be conducted on software STAAD Pro. software. The STAAD Pro. software is available in our department for academic use. STAAD Pro is a comprehensive structural engineering software that addresses all aspects of structural engineering including model development verification, analysis, design and review of results.

Knowledge of STAAD pro will help students to perceive their carrier in the field of analysis and design, and to boost the entrepreneurship. This training may also help students for recruitment in core companies.

The duration of this course will be 45 days (01-hour class with hands on training for each day).

The registration fees for the above said program will be as follows.

For Students of Meghe group of Institutions	Rs 5000/-
For other Students	Rs. 8000/-

} A

Please consider the request and kindly permit for the above value-added course. The regular academic session will not be hampered by this course.

Through,
 Head,
 Civil Engineering Department
 YCCE
 Nagpur

Forwarded
 to, Principal YCCE

may be approved

RECEIVED
 Y. C. C. E. NAGPUR
 INWARD NO 2073
 DATE 13/11/19

5/11/19
 CEO, MGI

Permission for conducting value Added Course at Civil Engg. department at YCCE may please be approved.

- ① No budgetary provision.
- ② to be collected from students

CA nadam
 kindly open as regards (A)
 & financial expenditure
 limit for conducting the course

2/11/19

732

Amund eep swan

167

Registration Form

Name of Student: - _____

Name of Institute: - _____

Name of Branch: - _____

Section and Roll No.: - _____

Enrollment No.: - _____

Email-Id: - _____

Contact No.: - _____

Sign of Student: - _____

Objectives of the Workshop

- To aware of STADD Pro. as it is a comprehensive structural engineering software that addresses all aspects of structural engineering including model development, verification, analysis, design and review of results
- To Enhance knowledge of STADD Pro will help students to pursue their career in the field of analysis and design of civil engineering structures
- To boost the enterprenuership in the field of structural designer

The expected audience are third and final year students of B.E./B.Tech Civil Engineering.

The participation fess is Rs. 5000/-
Maximum 40 students can participate on first cum first serve basis. The student participants will be awarded certificate of participation.

Contact for Registration: -

Mr. D. G. Agrawal

Convener

erdhiraj007@gmail.com, 9822999288

Mr. P. K. Hinge

Coordinator

pawan.hinge@gmail.com, 9975561111

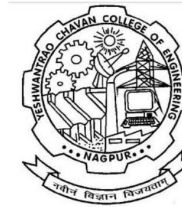
Value Added Course/ Workshop on

**“Analysis and Design of Civil Engineering
Structures using STAAD Pro.”**

On

01/02/2020 to 30/03/2020

Organized by



**Department of Civil Engineering
Yeshwantrao Chavan College of Engineering,
Hingna Road, Wanadongri, Nagpur**

Principal Convener

Mr. B. P. Nandurkar

Assistant Professor

Department of Civil Engineering,

Convener

Mr. D. G. Agrawal

Assistant Professor,

Department of Civil Engineering,

Coordinators

Mr. P. K. Hinge
Assistant Professor,

CE Department,
YCCE

Dr. S. P. Raut
Associate Professor,

CE Department,
YCCE



Nagar YuwakShikshanSanstha's
YeshwantraoChavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)
Hingna Road, Wanadongri, Nagpur - 441 110
Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

DEPARTMENT OF CIVIL ENGINEERING

Value Added Course/ Workshop on

“Analysis and Design of Civil Engineering Structures using STAAD Pro.”

On

01/02/2020 to 30/03/2020


Department of Civil Engineering; YCCE organized Workshop on


“Analysis and Design of Civil Engineering Structures using STAAD Pro” The Principal Convener of Programme is Prof. B.P.Nandurkar, Convener Mr. D. G. Agrawal and Coordinators Dr. S. P. Raut, Mr. P. K. Hinge. The workshop on 01/02/2020 to 30/03/2020

In recent years it has become part of integrated structural analysis and design solutions mainly using an exposed API called Open STAAD to access and drive the program using a Visual Basic macro system included in the application or by including Open STAAD functionality in applications that themselves include suitable programmable macro systems. Additionally, STAAD Pro has added direct links to applications such as RAM Connection and STAAD Foundation to provide engineers working with those applications which handle design post processing not handled by STAAD Pro itself. Another form of integration supported by the STAAD Pro is the analysis schema of the CIM steel Integration Standard, version 2 commonly known as CIS/2 and used by a number modelling and analysis applications.

Staad pro is a software used for analysis and designing, engineers prefer using software's to manual analysis and design as it consumes a whole lot of your time. But if you look into what staad is, you will model the building, assign properties, apply loads, analyse the frame and design it, these are the basic which everybody can learn with the set of tools available, but what is important in staad is, you need to control the software and not the other way through, we need to have a basic idea about how the building is going to behave and an approximate idea of the results. If the values are too deviated from actual results you need to find the manual error or solution to that problem, when we understand that we get a complete picture about this software.

STAAD Pro stands for Structural Analysis and Designing Program. STAAD Pro software is widely used in analyzing and designing structures - buildings, bridges, towers, transportation, industrial and utility structures. Designs can involve building structures including culverts, petrochemical plants, tunnels, bridges, piles; and building materials like steel, concrete, timber, aluminium, and cold-formed steel. Basically, STAAD helps structural engineers automate their tasks by removing the tedious and long procedures of the manual methods. STAAD allows structural engineers to analyze and design virtually any type of structure. Structural engineering firms, structural consultants, departments in construction companies, and government agencies use this software extensively.


Dr. B.P. Nandurkar


Dr. S.P. Raut
HOD, CE, YCCE.



Nagar YuwakShikshanSanstha's
YeshwantraoChavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

Hingna Road, Wanadongri, Nagpur - 441 110

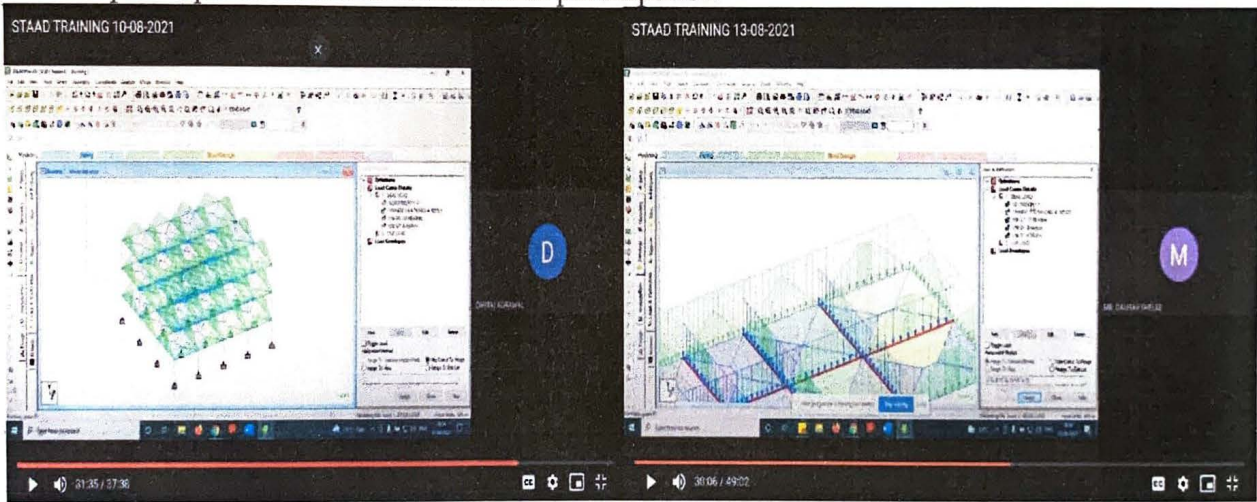
Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

DEPARTMENT OF CIVIL ENGINEERING

Objectives of the Workshop


- To aware of STADD Pro. as it is a comprehensive structural engineering software that addresses all aspects of structural engineering including model development, verification, analysis, design and review of results
 - To Enhance knowledge of STADD Pro will help students to pursue their career in the field of analysis and design of civil engineering structures
 - To boost the entrepreneurship in the field of structural designer
- The expected audience are third and final year students of B.E./B.Tech Civil Engineering.

The purpose of conducting the workshop is to give an exposure to the students in the area of Structural Analysis and Design which will help them in planning their carrier in the field of designing effectively. The workshop planned in between 1st February 2020 to 30th March 2020 but due to pandemic Condition it is completed on 30th August 2021 with the student participants awarded certificate of participation



Screenshot of Workshop on “Analysis and Design of Civil Engineering Structures using STAAD Pro”


Dr. B.P. Nandurkar
Principal Convener


Dr. S.P. Raut
Head, CE Dept, YCCE



Nagar YuwakShikshanSanstha's
Yeshwantrao Chavan College of Engineering
(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)
Hingna Road, Wanadongri, Nagpur - 441 110 (M.S.)
Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that ~~Mr.~~ Ms. **Anjali Dabhekar** has successfully completed **Value Added Course on "Analysis and Design of Civil Engineering Structures using STAAD Pro Software"** Organized by Department of Civil Engineering, Yeshwantrao Chavan College of Engineering, Nagpur held from 01st February 2020 for 45 Days.

This certificate is issued for his / her participation & excellent interaction during the Course.

Prof. P. K. Hinge
Coordinator

Prof. D. G. Agrawal
Coordinator

Dr. B. P. Nandurkar
Convener

Dr. S. P. Raut
Head, CE, Dept.



Nagar YuwakShikshanSanstha's
YeshwantraoChavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

Hingna Road, Wanadongri, Nagpur - 441 110

Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

DEPARTMENT OF CIVIL ENGINEERING

Date: - 28/09/2020

NOTICE

III Sem. B.E. Civil

It gives us immense pleasure to announce that Department of Civil Engineering, Yeshwantrao Chavan College of Engineering, Nagpur organizing a Value Aided Course on "3D Modeling by AutoCAD"

All interested students of 2nd year Civil Engineering is invited to fill the registration form of the course.

<https://forms.gle/LqcGikFPPSGAbCvh8>

Registration is completely based on first come first basis.

Total Duration of course is 15 Hrs

Schedule of classes is conveyed after the registration.

After completion of course. Students having attendance more than 80% get the certificates.

Dr. V. G. Meshram
Head, CE Dept, YCCE



Nagar YuwakShikshanSanstha's
YeshwantraoChavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

Hingna Road, Wanadongri, Nagpur - 441 110

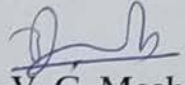
Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

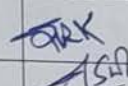
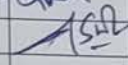


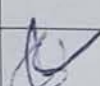
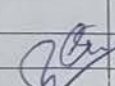
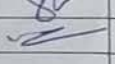
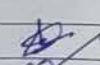
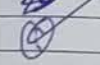
DEPARTMENT OF CIVIL ENGINEERING

Date:28/09/2020

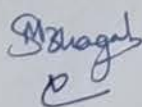
NOTICE

All the teaching and non-teaching staff hereby informed that there is online Value-aided course being organized by Civil Engineering Department on "3D Modeling by AutoCAD " by Mr. Sagar Deogirkar. All the interested staff are requested to attend the same by joining the Google meet link.


Dr. V. G. Meshram
Head, CE Dept, YCCE

S.N.	Name	Signature	S.N.	Name	Signature
1	Dr. Udaykumar P. Waghe		22	Mr. PrashantBaban Pande	
2	Dr. AnantManohar Pande		23	Mr. AtulSambhuji Kurzekar	
3	Dr. SantanuRamkrishna Khandeshwar		24	Mr. VivekDnyandeo Jayale	
4	Dr. SudhirVasantrao Ambekar		25	Mr. HarshalMadhukar Warade	
5	Dr. AbhayVinayakrao Patil		26	Ms. PallaviShalikram Chakole	
6	Dr. Vilas Ganuji Meshram		27	Ms. SnehalKarunkumar Kamble	
7	Dr. Ajay Ramdas Gajbhiye		28	Mr. Sourabh Mahesh Amrodiya	
8	Mr. RajendraSureshbabu Deotale		29	Mr. SanketGajanan Kalamkar	
9	Dr. RajendraRupraoji Dighade		30	Mr. SagarWasudeo Dhengare	
10	Mr. Sanjay Manohar Waghmare		31	Ms. MonaliRewashankar Wagh (Nikhade)	
11	Mr. BhupeshPurshottam Nandurkar		32	Mr. YogeshPrabhakar Kherde	
12	Dr. Sanjay Padmakar Raut		33	Ms. SnehaGowardhan Hirekhan (Wankhede)	
13	Ms. VaishaliNilesh Mendhe (Bhadke)		34	Mr. Rajesh Madhukar Bhagat	
14	Ms. CharutaSubhash Waghmare		35	Aziz Ahmad MohdGhous	
15	Mr. Khalid Shamim Ansari		36	PrakashHarichandra Lute	
16	Mr. HarshalRameshrao Nikhade		37	YeshwantNanaji Choudhary	
17	Mr. JayantManohar Raut		38	Ashok Gunderao Warhade	
18	Mr. Dhiraj Giridharilal Agrawal		39	ShyamGanpati Parate (Shahir)	
19	Mr. PawanKeshao Rao Hinge		40	SushilMaratarao Gadge	
20	Ms. AmrutaArun Yadav (Adekar)		41	DvpratapSankthaprasad Tiwari	
21	Ms. SangitaShivcharan Meshram		42	RavindraShankarao Mahabudhe	

Dr. M. S. Bhagat
y. keti


-



Nagar YuwakShikshanSanstha's
YeshwantraoChavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

Hingna Road, Wanadongri, Nagpur - 441 110

Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

DEPARTMENT OF CIVIL ENGINEERING

Value Aided Course on "3D Modeling by AutoCAD"

3/10 -1st Saturday (5 hr)

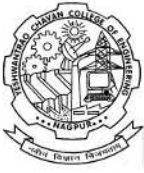
10/10-2nd Saturday (5 hr)

24/10-3rd Saturday (5 hr)

Speaker: - **Mr. Sagar Deogirkar**

Designation:- CENTRE HEAD (Development
and Design and analysis),CADD
CENTRE,NAGPUR

- Introduction of Mr. Sagar Deogirkar by Prof. Khalid Ansari.
- Welcome to Mr. Sagar Deogirkar by Prof. Sanket Kalamkar.
- Session by Mr. Sagar Deogirkar.
- Q and A Session.
- Vote of Thanks by Prof. Khalid Ansari.



Nagar YuwakShikshanSanstha's
YeshwantraoChavan College of Engineering

(An Autonomous Institution affiliated to RashtrasantukadojiMaharaj Nagpur University)
Hingna Road, Wanadongri, Nagpur - 441 110
Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.vcce.edu

Department of Civil Engineering

Report on Value Aided Course on "3D Modeling by AutoCAD" dated 03, 10, & 24 October 2020

This Online Value Aided Course on "3D Modeling by AutoCAD" was an attempt to enlighten the students to software world. Mr. Sagar Deogirkar, Currently working as CENTRE HEAD (Development and Design and analysis), CADD CENTRE, NAGPUR, shares his experience with students and also gave the students a realistic view of the software world. Mr. Sagar Deogirkar is a dynamic professional with 7 Years experience in Structural and Mechanical parts Design and Development, Engineering change Management, Bill of material (BOM) & New Product Launches, Material Planning and Obsolesces Control. He also guided the students regarding the lessons he learnt as fresh graduate just out of college and how he dealt with the difficulties he faced. He shared his experiences with his job and the philosophies he learnt throughout his career during the sessions.

The objectives of this Value Aided Course on "3D Modeling by AutoCAD" are to get aware students about basic choice: work or further study. But even within those there are number of paths, so it is important to figure out which fits with where one want to go in life. He emphasized that job prospects may be best for those who stay informed regarding the most recent advances in technology. Civil engineers can work in many industries. As a result, their growth rate will differ by the industries that employ them.

The detail schedule for the VAC is given below:3D

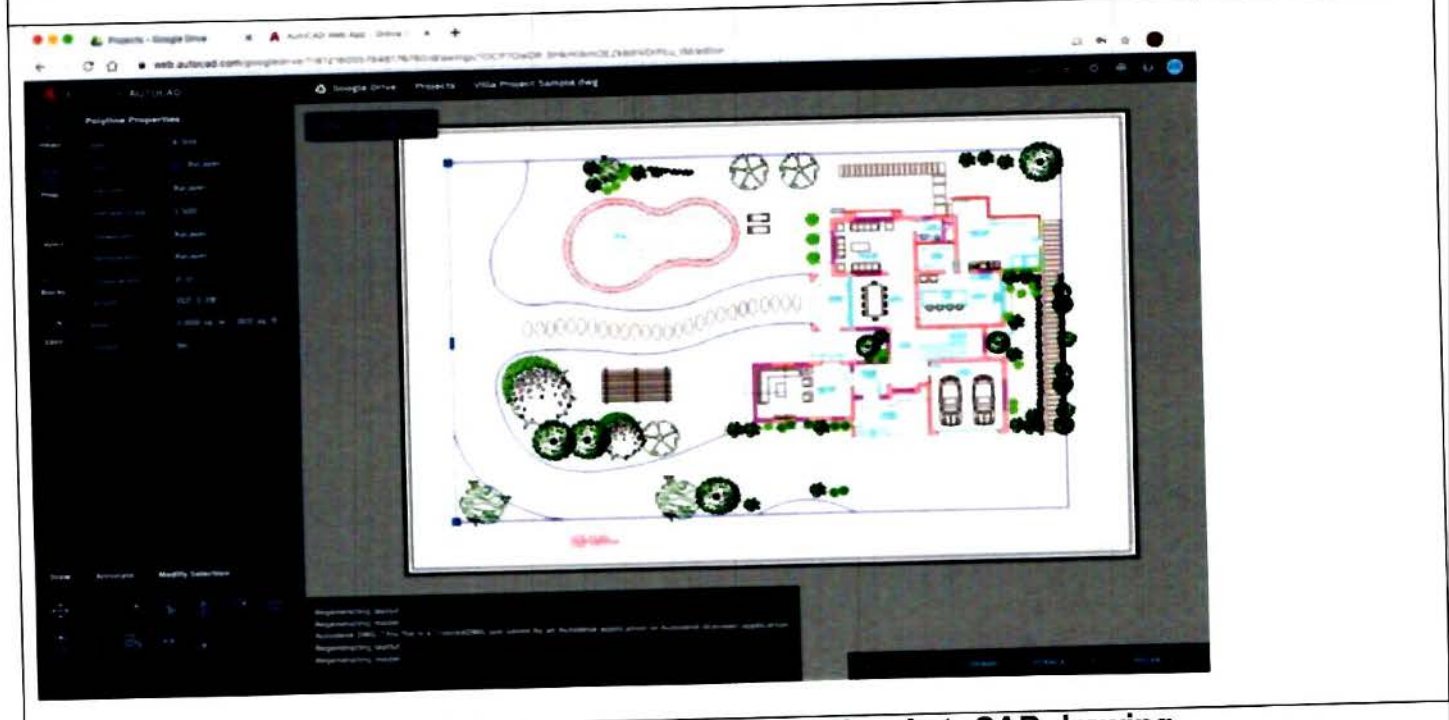
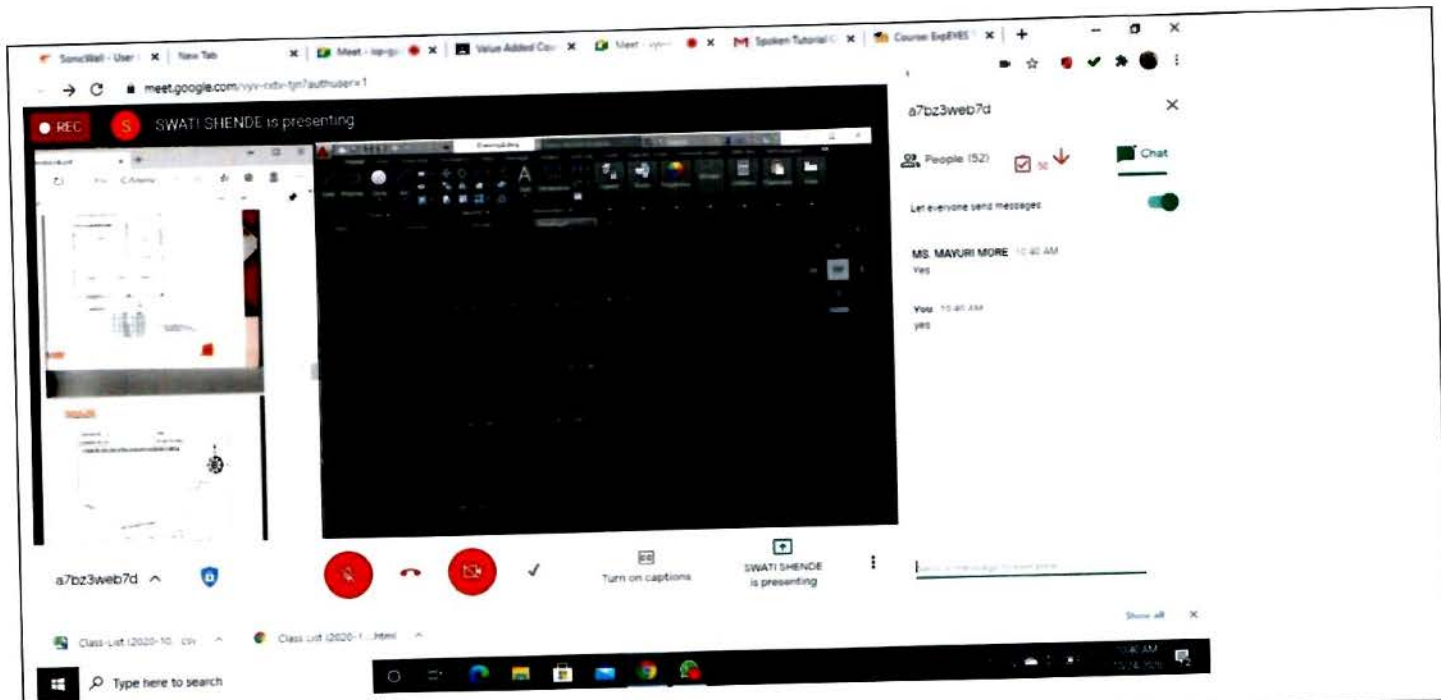
	Modeling by AutoCAD Total Duration : 15 hrs
HR 1	<ul style="list-style-type: none">• About CADD centre• Introduction to Engineering Drawings<ul style="list-style-type: none">◦ Projections (First &Third angle)◦ Views (Orthographic, Isometric & Perspective)• Introduction to AutoCAD<ul style="list-style-type: none">◦ History◦ Exploring GUI◦ Workspaces
HR 2	<ul style="list-style-type: none">• Co-ordinate systems• Orthographic Views<ul style="list-style-type: none">◦ Drawing settings - Units,Limits◦ Drawing Tools: Line, Circle, Arc, Ellipse, Donut, Polygon, Rectangle
HR 3	<ul style="list-style-type: none">• Modify Tools: Erase, Oops,Undo, Redo, Explode, Move, Copy, Rotate, Mirror, Array, Align, Scale,Stretch, Lengthen, Trim, Extend, Break, Join,Chamfer, Fillet
HR 4	<ul style="list-style-type: none">• File Management - New, Qnew, Open, Save, Save as, Close, Exit, Quit• Mini Project 1 - OrthographicViews
HR 5	<ul style="list-style-type: none">• Drawing Tools: Multiline, Pline, Spline, Xline, Ray, Wipeout, Revise cloud• Modify Tools: Mlstyle,Mledit, Pedit, Splinedit
HR6	<ul style="list-style-type: none">• Grip Editing• Display Control: Zoom, Pan, Redraw, Regen, Clean Screen, Steering wheels• Object Properties: Color,Linetype, Ltyscale, Lineweight, Properties, Matchprop
HR7	<ul style="list-style-type: none">• Parametric Modeling: Geometric Constraint, Dimensional Constraint• Action Recorder, Design Centre, Tool Palette

The number of students registered for the programme **reached about 96**. The student delegates were very enthusiastic and also had given their best for the success of the programme.

Mr. K.S. Ansari

Dr. V.G. Meshram

Department of Civil Engineering



Mr. Sagar Deogirkar presenting AutoCAD drawing

*MS
Anand Anand*

*VG
(VGMashram)*



Nagar YuwakShikshanSanstha's

Yeshwantrao Chavan College of Engineering
(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)
Hingna Road, Wanadongri, Nagpur - 441 110 (M.S.)
Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that Mr. / Ms.
has successful attended 15 Hrs Value Aided Course on "AutoCAD" by Mr. Sagar Deogirkar Organized by Department of Civil Engineering, Yeshwantrao Chavan College of Engineering, Nagpur held on 03rd, 10th & 24th October 2020.

This certificate is issued for his / her participation & excellent interaction during the Course.

Dr. V. G. Meshram
Convener

Prof. Khalid Ansari
Co-Ordinator

Prof S. G. Kalamkar
Co-Ordinator



Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

(Accredited 'A' Grade by NAAC)

Hingna Road, Wanadongri, Nagpur - 441 110

Department of Mechanical Engineering

NOTICE

Date:-26-08-2020

All the students of mechanical engineering are hereby informed that Department of Mechanical Engineering is organizing workshop on Advance Optimization for Manufacturing during 11-10-2019 to 15-10-2019 (30Hours). This course is aimed to improve skillset of students. Workshop is free of cost. Interested candidates can register on or before 07-10-2019. Interested students can contact Dr. J. P. Giri for further information.

Dr.J. P. Giri

Coordinator

Dr. S. S. Chaudhari

HoD ME

REGISTRATION FEE

Nil

DATES TO REMEMBER

Last Date for Registration : 08th Oct. 2019

ELIGIBILITY

Students from Engineering colleges, Polytechnic and Industry professionals from Mechanical Engineering Domain.

CERTIFICATION

Certification through Siemens Centre of Excellence YCCE.

CONTACT PERSONS

- Dr. Jayant Giri
Department of Mechanical Engg.
E-mail: jayantpgiri@gmail.com
Mob.9822929871

The registration form should be mailed to:

Dr. J.P. Giri
jayantpgiri@gmail.com
yccesiemens@gmail.com

REGISTRATION FORM

SHORT TERM TRAINING PROGRAMME ON
“Advance Optmization for
Manufacturing”
Siemens Centre of Excellence
YCCE, Nagpur
October 11th to 15th, 2019

1. Full Name:.....
2. Name of College/Institution/Organization:
.....
3. Qualification:.....
4. Designation:.....
5. Full Address:.....
.....
6. Pin code:.....
7. Phone No.:.....
8. Mobile No.:.....
9. E-mail:.....

Place:

Date:

Signature of the participant



**ONE WEEK SHORT TERM TRAINING
PROGRAMME ON**

**“Advance Optmization for
Manufacturing”**

October 11th to 15th, 2019

ORGANIZED BY :

**Siemens Centre of Excellence
Department of Mechanical Engineering
Yeshwantrao Chavan College of
Engineering, Nagpur-441110**

OBJECTIVE

Customized training program intended to foster a platform for students from All Engineering domain to understand emerging trends of machine learning in manufacturing sector.

ABOUT INSTITUTE

Yeshwantrao Chavan College of Engineering (YCCE) is established in 1984 by Nagar Yuvak Shikshan Sanstha, Nagpur. It is affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. YCCE is renowned for engineering education and research. For over 28 years, it has successfully nurtured young engineering professionals, becoming a sought after destination for students aspiring to higher technical education and placement in the competitive software and core industry.

The college is guided by Academic Advisory Board consisting of eminent academicians from prestigious technical institutes in India and USA. The college is having well qualified and experienced senior faculty members.

YCCE has become the first private engineering college to acquire "Autonomous Status" in Central India. The institute is implementing autonomy in progressive manner from academic session 2010-11. The students admitted to B.E. and M.Tech. Courses from academic session 2010-11 are under autonomy.

About Mechanical Engineering Department

The Mechanical Engineering Department was established in the year 1984, With an aim to develop highly competent human resources in Mechanical Engineering profession, department is equipped with up-to-date infrastructure. The emphasis is on making aspirant familiar with theoretical and practical aspects of various fields of Mechanical Engineering.

Our promising thrust areas include CAD/CAM, Quality and Productivity Improvement, Industrial Fluidics, Automobile Engineering, Refrigeration and Air Conditioning & Heat Transfer applications.

To develop skills in manufacturing and fabrication, we have a well equipped Central Workshop. Students are trained on specialized facilities like NC/CNC Machines, Robot, Flexible Manufacturing Systems and advanced software like ORACLE, AUTODESK, Pro-E, ANSYS and CATIA.

About Siemens Centre of Excellence

Department of Mechanical Engineering, YCCE has established Siemens centre of excellence under the proficient guidance and support from Siemens and AICTE .Education fraternity and Industries are drawn from the resources of Centre of Excellence and its industry and academic partners, and bring unique and relevant domain expertise that can provide ongoing linkage to the needs and trends of the Digital Manufacturing. Under the guidance and direction of the Siemens and AICTE, concepts and innovative ideas can be nurtured to exchange industry knowledge and developments and to provide practical and immediate prevalence to the various activities.

The vision of the Siemens Centre of Excellence, YCCE is to provide a responsive and innovative nucleus for growth and expansion of common platform between academia and industries. The training facilities, focusing the efforts of a highly skilled and experienced cadre of thought leaders who have the mission to energize the application of innovation as a competitive edge.

COURSE OUTLINE

- Basics of machine learning
- Fundamentals of MATLAB Programming
- Fundamentals of Curve fitting
- Response Surface Methodology using MATLAB
- Artificial Neural Network
- Optimization using ANN
- Mathematical Modeling using ANN
- Modeling and Simulation using Simulink
- Case Studies on Modeling and Simulation

COURSE INSTRUCTORS

- Dr.J.P.Giri

Patron

- Hon'ble Shri Dattaji Meghe
Chairmen, Nagar Yuvak Shikshan sanstha, Nagpur
- Shri Sagarji Meghe
Secretary, Nagar Yuvak Shikshan sanstha, Nagpur
- Shri Sameerji Meghe
Treasurer, Nagar Yuvak Shikshan sanstha, Nagpur

ADVISORY BOARD

Dr.R.L.Shrivastava
Dr. V.H.Tatwawadi
Dr. S.P.Untawale
Prof.B.D.Deshmukh
Prof. A.J.Bamnate
Dr. S.D.Kshirsagar
Prof. M.R.Kotwal
Prof.S.L.Bankar
Prof.A.M.Pande

ORGANIZING COMMITTEE

Coordinator

Dr. Jayant Giri

Co-coordinator

Prof. R.B. Chadge

Organizing Secretary

Dr. U.P. Waghe
Principal, YCCE

Convener

Dr.S.S.Chaudhary
Head, Department of Mechanical Engineering



Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

(Accredited 'A' Grade by NAAC)

Hingna Road, Wanadongri, Nagpur - 441 110

Department of Mechanical Engineering

Report of the STTP (2019-20)

Title:	"Advance Optimization for Manufacturing"	
Type:	Short Term Training Program (5 days)	
Day / Date & Timing:	11th Oct – 15th Oct, 2019, from: 11.00 am to 05.00 pm	
Resource Person	Dr. Jayant P. Giri, Associate Professor, Department of Mechanical Engineering, YCCE.	
Coordinator	Dr. Jayant P. Giri, Prof. R.B. Chadge, Department of Mechanical Engineering, YCCE.	
Convener	Dr. S.S. Chaudhari, HoD & Associate Professor, Department of Mechanical Engineering, YCCE.	
Registration Fees:	Free, No Fees.	
Target Participants	Students	
Number of Participants	25	
Objective & Outcomes:	Objectives of the workshop: 1) To introduce the advanced Optimization for Manufacturing 2) To introduce the procedure of optimization 3) To introduce to simulation techniques	Outcome of the Workshop: At the end of the STTP participant should be able 1) To have the knowledge about advanced Optimization for Manufacturing 2) To apply advanced Optimization techniques in Manufacturing 3) To analyze the manufacturing processes with machine learning techniques
Photographs:		
	Dr. Jayant P. Giri with participants	
	 Dr. S.S. Chaudhari Signature of HOD	 Dr. Jayant P. Giri Signature of Co-ordinator



Department of Mechanical Engineering

NOTICE

Date:-15-09-2020

All the students of mechanical engineering are hereby informed that Department of Mechanical Engineering is organizing workshop on Machine Learning for Manufacturing during 27-09-2019 to 01-10-2019 (30Hours). This course is aimed to impart through knowledge and improve skillset of students. There is no fee for workshop. Interested candidates can register on or before 24-09-2019. Interested students can contact Dr. J. P. Giri for further information.

Dr.J. P. Giri

Coordinator

Dr. S. S. Chaudhari

HoD ME

REGISTRATION FEE

Nil

DATES TO REMEMBER

Last Date for Registration : 25TH Sept. 2019

ELIGIBILITY

Students from Engineering colleges, Polytechnic and Industry professionals from Mechanical Engineering Domain.

CERTIFICATION

Certification through Siemens Centre of Excellence YCCE.

CONTACT PERSONS

- Dr. Jayant Giri
Department of Mechanical Engg.
E-mail: jayantpgiri@gmail.com
Mob.9822929871

The registration form should be mailed to:

Dr. J.P. Giri
jayantpgiri@gmail.com
yccesiemens@gmail.com

REGISTRATION FORM

SHORT TERM TRAINING PROGRAMME ON
“Machine Learning for Manufacturing”

Siemens Centre of Excellence
YCCE, Nagpur
September 27-October 01, 2019

1. Full Name:.....
2. Name of College/Institution/Organization:
.....
3. Qualification:.....
4. Designation:.....
5. Full Address:.....
.....
6. Pin code:.....
7. Phone No.:.....
8. Mobile No.:.....
9. E-mail:.....

Place:
Date:

Signature of the participant



ONE WEEK SHORT TERM TRAINING
PROGRAMME ON

“Machine Learning for Manufacturing”

September 27-October 01, 2019

ORGANIZED BY :

Siemens Centre of Excellence
Department of Mechanical Engineering
Yeshwantrao Chavan College of
Engineering, Nagpur-441110

OBJECTIVE

Customized training program intended to foster a platform for students from All Engineering domain to understand emerging trends of machine learning in manufacturing sector.

ABOUT INSTITUTE

Yeshwantrao Chavan College of Engineering (YCCE) is established in 1984 by Nagar Yuvak Shikshan Sanstha, Nagpur. It is affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. YCCE is renowned for engineering education and research. For over 28 years, it has successfully nurtured young engineering professionals, becoming a sought after destination for students aspiring to higher technical education and placement in the competitive software and core industry.

The college is guided by Academic Advisory Board consisting of eminent academicians from prestigious technical institutes in India and USA. The college is having well qualified and experienced senior faculty members.

YCCE has become the first private engineering college to acquire "Autonomous Status" in Central India. The institute is implementing autonomy in progressive manner from academic session 2010-11. The students admitted to B.E. and M.Tech. Courses from academic session 2010-11 are under autonomy.

About Mechanical Engineering Department

The Mechanical Engineering Department was established in the year 1984, With an aim to develop highly competent human resources in Mechanical Engineering profession, department is equipped with up-to-date infrastructure. The emphasis is on making aspirant familiar with theoretical and practical aspects of various fields of Mechanical Engineering.

Our promising thrust areas include CAD/CAM, Quality and Productivity Improvement, Industrial Fluidics, Automobile Engineering, Refrigeration and Air Conditioning & Heat Transfer applications.

To develop skills in manufacturing and fabrication, we have a well equipped Central Workshop. Students are trained on specialized facilities like NC/CNC Machines, Robot, Flexible Manufacturing Systems and advanced software like ORACLE, AUTODESK, Pro-E, ANSYS and CATIA.

About Siemens Centre of Excellence

Department of Mechanical Engineering, YCCE has established Siemens centre of excellence under the proficient guidance and support from Siemens and AICTE .Education fraternity and Industries are drawn from the resources of Centre of Excellence and its industry and academic partners, and bring unique and relevant domain expertise that can provide ongoing linkage to the needs and trends of the Digital Manufacturing. Under the guidance and direction of the Siemens and AICTE, concepts and innovative ideas can be nurtured to exchange industry knowledge and developments and to provide practical and immediate prevalence to the various activities.

The vision of the Siemens Centre of Excellence, YCCE is to provide a responsive and innovative nucleus for growth and expansion of common platform between academia and industries. The training facilities, focusing the efforts of a highly skilled and experienced cadre of thought leaders who have the mission to energize the application of innovation as a competitive edge.

COURSE OUTLINE

- Basics of machine learning
- Data plotting
- Fundamentals of MATLAB Programming
- Fundamentals of Curve fitting
- Response Surface Methodology using MATLAB
- Artificial Neural Network
- Optimization using ANN
- Mathematical Modeling using ANN
- Modeling and Simulation using Simulink
- Case Studies on Modeling and Simulation

COURSE INSTRUCTORS

- Dr.J.P.Giri

Patron

- Hon'ble Shri Dattaji Meghe
Chairmen, Nagar Yuvak Shikshan sanstha, Nagpur
- Shri Sagarji Meghe
Secretary, Nagar Yuvak Shikshan sanstha, Nagpur
- Shri Sameerji Meghe
Treasurer, Nagar Yuvak Shikshan sanstha, Nagpur

ADVISORY BOARD

Dr.R.L.Shrivastava
Dr. V.H.Tatwawadi
Prof.B.D.Deshmukh
Prof. A.J.Bamnote
Dr. S.D.Kshirsagar
Prof.S.L.Bankar
Prof.A.M.Pande

ORGANIZING COMMITTEE

Coordinator

Dr. Jayant Giri

Co-coordinator

Prof. R.B. Chadge

Organizing Secretary

Dr. U.P. Waghe
Principal, YCCE

Convener

Dr.S.S.Chaudhary
Head, Department of Mechanical Engineering



Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering


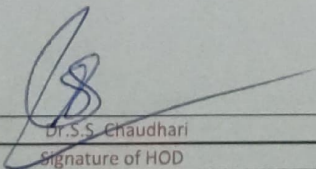
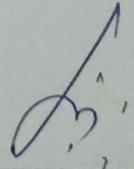
(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

(Accredited 'A' Grade by NAAC)

Hingna Road, Wanadongri, Nagpur - 441 110

Department of Mechanical Engineering

Report of the STTP (2019-20)

Title:	"Machine Learning for Manufacturing"	
Type:	Short Term Training Program (5 days)	
Day / Date &Timing:	27th Sept- 01st Oct, 2019, from: 11.00 am to 05.00 pm	
Resource Person	Dr. Jayant P. Giri, Associate Professor, Department of Mechanical Engineering, YCCE.	
Coordinator	Dr. Jayant P. Giri , Prof. R.B. Chadge, Department of Mechanical Engineering, YCCE.	
Convener	Dr. S.S. Chaudhari, HoD & Associate Professor, Department of Mechanical Engineering, YCCE.	
Registration Fees:	Free, No Fees.	
Target Participants	Students	
Number of Participants	73	
Objective & Outcomes:	Objectives of the workshop: 1) To introduce the Machine Learning techniques to the participant 2) To introduce the procedure of machine learning techniques and their programming 3) To introduce participant to MATLAB and simulation tools	Outcome of the Workshop: At the end of the STTP participant should be able 1) To have the knowledge about Machine Learning techniques 2) To have the basic knowledge about MATLAB PROGRAMMING 3) To have knowledge about optimization techniques and algorithms
Photographs:	 <p>Prof. R.B Chadge Addressing the participants</p>	
	 Dr. S.S. Chaudhari Signature of HOD	 Dr. Jayant P. Giri Signature of Co-ordinator



Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

(Accredited 'A' Grade by NAAC)

Hingna Road, Wanadongri, Nagpur - 441 110

Department of Mechanical Engineering

NOTICE

Date:-22-09-2019

All the students of mechanical engineering are hereby informed that Department of Mechanical Engineering is organizing workshop on Plant Design Manufacturing System during 05-10-2019 to 15-10-2019 (90 Hours). This workshop will impart through knowledge of plant design and improve employability of students. There is no fee for workshop. Interested candidates can register on or before 01-10-2019. Interested students can contact Prof. A. P. Edlabadkar for further information.

Prof. A. P. Edlabadkar

Coordinator

Dr. S. S. Chaudhari

HoD ME

REGISTRATION FEE

Nil

DATES TO REMEMBER

Last Date for Registration : 01st Oct. 2019

ELIGIBILITY

Students from Engineering colleges, Polytechnic and Industry professionals from Mechanical Engineering Domain.

CERTIFICATION

Certification through Siemens Centre of Excellence YCCE.

CONTACT PERSONS

- Dr. S.S. Khedkar
Department of Mechanical Engg.
E-mail:sandip171180@gmail.com
Mob.9552555061

**The registration form should be mailed to:
Dr. S.S. Khedkar
sandip171180@gmail.com**

REGISTRATION FORM

SHORT TERM TRAINING PROGRAMME ON
“Plant Design Manufacturing System”

Department of Mechanical Engineering
Yeshwantrao Chavan College of
Engineering, Nagpur-441110

October 05th to 15th, 2019

1. Full Name:.....
2. Name of College/Institution/Organization:
.....
3. Qualification:.....
4. Designation:.....
5. Full Address:.....
.....
6. Pin code:.....
7. Phone No.:.....
8. Mobile No.:.....
9. E-mail:.....

Place:
Date:

Signature of the participant



ONE WEEK SHORT TERM TRAINING PROGRAMME ON

“Plant Design Manufacturing System”

October 05th to 15th, 2019

ORGANIZED BY :

**Department of Mechanical Engineering
Yeshwantrao Chavan College of
Engineering, Nagpur-441110**

OBJECTIVE

Customized training program intended to foster a platform for students from All Engineering domain to understand emerging trends of machine learning in manufacturing sector.

ABOUT INSTITUTE

Yeshwantrao Chavan College of Engineering (YCCE) is established in 1984 by Nagar Yuvak Shikshan Sanstha, Nagpur. It is affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. YCCE is renowned for engineering education and research. For over 28 years, it has successfully nurtured young engineering professionals, becoming a sought after destination for students aspiring to higher technical education and placement in the competitive software and core industry.

The college is guided by Academic Advisory Board consisting of eminent academicians from prestigious technical institutes in India and USA. The college is having well qualified and experienced senior faculty members.

YCCE has become the first private engineering college to acquire "Autonomous Status" in Central India. The institute is implementing autonomy in progressive manner from academic session 2010-11. The students admitted to B.E. and M.Tech. Courses from academic session 2010-11 are under autonomy.

About Mechanical Engineering Department

The Mechanical Engineering Department was established in the year 1984, With an aim to develop highly competent human resources in Mechanical Engineering profession, department is equipped with up-to-date infrastructure. The emphasis is on making aspirant familiar with theoretical and practical aspects of various fields of Mechanical Engineering.

Our promising thrust areas include CAD/CAM, Quality and Productivity Improvement, Industrial Fluidics, Automobile Engineering, Refrigeration and Air Conditioning & Heat Transfer applications.

To develop skills in manufacturing and fabrication, we have a well equipped Central Workshop. Students are trained on specialized facilities like NC/CNC Machines, Robot, Flexible Manufacturing Systems and advanced software like ORACLE, AUTODESK, Pro-E, ANSYS and CATIA.

COURSE OUTLINE

- Basics of plant layout
- Fundamentals of layout design
- Fundamentals of design criterias
- Different techniques of plant design

COURSE INSTRUCTORS

Mr. Jitendra Nikam
AVEVA Technologies
Mumbai

Dr. S.S. Khedkar
sandip171180@gmail.com

Patron

- Hon'ble Shri Dattaji Meghe
Chairmen, Nagar Yuvak Shikshan sanstha, Nagpur
- Shri Sagarji Meghe
Secretary, Nagar Yuvak Shikshan sanstha, Nagpur
- Shri Sameerji Meghe
Treasurer, Nagar Yuvak Shikshan sanstha, Nagpur

ADVISORY BOARD

Dr.R.L.Shrivastava
Dr. V.H.Tatwawadi
Prof. A.J.Bamnote
Dr. S.D.Kshirsagar
Prof. M.R.Kotwal
Prof.S.L.Bankar
Prof.A.M.Pande

ORGANIZING COMMITTEE

Coordinators

Dr. S.S. Khedkar

Co-coordinators

Prof.A.P. Edlabadkar
Prof. R. V.Adakane
Prof. A. R.Narkhde

Organizing Secretary

Dr. U.P. Waghe
Principal, YCCE

Convener

Dr.S.S.Chaudhary
Head, Department of Mechanical Engineering

Yeshwantrao Chavan College of Engineering

Department of Mechanical Engineering

AVEVA Center of Excellence

AVEVA PDMS Training Program for Students from 5 October 2019 to 15 October 2019

	9:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 1:00	1:00 - 2:00	2:00 - 3:00	3:00 - 4:00	4:00 - 5:00
	1	2	3	4	5	6	7	8
Day 1		Inauguration & Introduction	Foundation for PDMS Design, AVEVA PDMS Fundamentals		Break	User Interface Basics		Practice Session
05-Oct-19			Dr. S.S.Khedkar			Prof. R.V.Adkane		
	9:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 1:00	1:00 - 2:00	2:00 - 3:00	3:00 - 4:00	4:00 - 5:00
Day 2						Pipe work modeling, Pipe Routing, Exercises		
07-Oct-19						Prof. A.R.Narkhede		
	9:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 1:00	1:00 - 2:00	2:00 - 3:00	3:00 - 4:00	4:00 - 5:00
Day 3						Structural Modeling, Creating straight sections, Modifying structural sections, Creating curved sections		
09-Oct-19						Prof. A.P.Edlabadkar		
	9:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 1:00	1:00 - 2:00	2:00 - 3:00	3:00 - 4:00	4:00 - 5:00
Day 4						Structural utilities , Section fittings and joints, panel and plate elements, Negative extrusion and panel fittings, Volume modeling		
10-Oct-19						Prof. A.P.Edlabadkar		
	9:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 1:00	1:00 - 2:00	2:00 - 3:00	3:00 - 4:00	4:00 - 5:00
Day 5						Equipment modeling using primitives, using templets , equipment utilities, equipment associations		
11-Oct-19						Dr. R.B.Chadge		
	9:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 1:00	1:00 - 2:00	2:00 - 3:00	3:00 - 4:00	4:00 - 5:00
Day 6		Hole management for equipment, Volume modeling, Mechanical equipment interface		Break	Practice Session			
12-Oct-19		Dr. R.B.Chadge			Prof. R.V.Adkane			
	9:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 1:00	1:00 - 2:00	2:00 - 3:00	3:00 - 4:00	4:00 - 5:00
Day 7						Piping catalogue and specifications, PDMS paragon, Component creation		
14-Oct-19						Prof. A.R.Narkhede		
	9:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 1:00	1:00 - 2:00	2:00 - 3:00	3:00 - 4:00	4:00 - 5:00
Day 8						Drawing production, Draft Features, database hierarchy, Creating Drawings and Sheets, Dimensioning and labeling		
15-Oct-19						Dr. S.S.Khedkar		




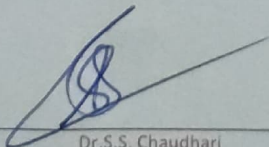
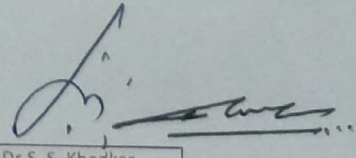
Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

(Accredited 'A' Grade by NAAC)
Hingna Road, Wanadongri, Nagpur - 441 110

Department of Mechanical Engineering Report of the STTP (2019-20)

Title:	"Plant Design Manufacturing System"	
Type:	Short Term Training Program (11 days)	
Day / Date & Timing:	05th Oct – 15th Oct, 2019, from: 09.00 am to 05.30 pm	
Resource Person	Mr. Jitendra Nikam AVEVA Technologies Mumbai	
Coordinator	Prof. S.S. Khedkar, Prof. A.P. Edlabadkar, Prof. R.V. Adakane, Prof. A. R. Narkhde, ME Dept. YCCE	
Convener	Dr. S.S. Chaudhari, HoD & Associate Professor, Department of Mechanical Engineering, YCCE.	
Registration Fees:	Free, No Fees.	
Target Participants	Students	
Number of Participants	67	
Objective & Outcomes:	Objectives of the workshop: <ol style="list-style-type: none">1) To have knowledge of Basics of plant layout2) To know Fundamentals of layout design3) To know the Fundamentals of design criterias4) To have knowledge about Different techniques of plant design	Outcome of the Workshop: At the end of the STTP participant should be able <ol style="list-style-type: none">1) To have the knowledge about PDMS2) To have the basic knowledge about PLANT LAYOUT DESIGN3) To analyze the plant design and apply techniques to optimize it
Photographs:		
	Participants attending the session	
	 Dr. S.S. Chaudhari Signature of HOD	 Dr. S.S. Khedkar Signature of Co-ordinator



**Yeshwantrao Chavan College of Engineering, Wanadongri,
Nagpur-441110**

VALUE ADDED COURSE

INTRODUCTION TO IOT PROGRAMING

12-16 Oct 2019

THE OPEN-SOURCE ELECTRONICS PROTOTYPING PLATFORM



**Organized by
Department of Electrical Engineering**



VALUE ADDED COURSE

Introduction to IoT programming

12-17 Oct 2019

Organized by

Department of Electrical Engineering, YCCE, Nagpur

PROGRAMME SCHEDULE

→ DATE →	12-Oct-19	
↻ TIME ↻	TOPIC	SPEAKER
9:30 AM --- 10:00 AM	Inaugural Function	
10:00 AM --- 11:00 AM	Introduction to IoT & Embedded system	Prof.S.G.Kadwane YCCE, Nagpur
11:00 AM --- 12:00 PM	Fundamentals of Arduino, Programming & Interfacing	Prof.S.G.Kadwane YCCE, Nagpur
12:00 PM --- 12:30 PM	High Tea	
12:30 PM --- 1:30 PM	Interfacing digital sensors	Prof.S.G.Kadwane YCCE, Nagpur
1:30 PM --- 2:30 PM	Lunch - Break	
2:30 PM --- 3:30 PM	Interfacing analog sensors	Prof. J.M.Kumbhare YCCE, Nagpur
3:30 PM --- 4:30 PM	Logging sensor data to thingspeak cloud	Prof. J.M.Kumbhare YCCE, Nagpur

→ DATE →	13-Oct-19	
↻ TIME ↻	TOPIC	SPEAKER
10:00 AM --- 11:00 AM	Logging sensor data to AWS cloud	Prof. S.Kapse YCCE, Nagpur
11:00 AM --- 12:00 PM	Logging sensor data to Blynk app	Prof. S.Kapse YCCE, Nagpur
12:00 PM --- 12:30 PM	High Tea	
12:30 PM --- 1:30 PM	Logging sensor data to Webpage using HTML	Prof. J.M.Kumbhare YCCE, Nagpur
1:30 PM --- 2:30 PM	Lunch - Break	

2:30 PM --- 3:30 PM	Logging sensor data to Microsoft azure	Prof. S.Kapse YCCE, Nagpur
3:30 PM --- 4:30 PM	Logging sensor data to Arduino cloud	Prof. S.Kapse YCCE, Nagpur

DATE	14-Oct-19	
TIME	TOPIC	SPEAKER
10:00 AM --- 11:00 AM	Home automation using MQTT	Dr.P.P.Zode YCCE, Nagpur
11:00 AM --- 12:00 PM	Automatic mail alert using smtp	Dr.P.P.Zode YCCE, Nagpur
12:00 PM --- 12:30 PM	High Tea	
12:30 PM --- 1:30 PM	Logging sensor data to google sheet using ifttt	Prof.S.G.Kadwane YCCE, Nagpur
1:30 PM --- 2:30 PM	Lunch - Break	
2:30 PM --- 3:30 PM	Logging sensor data to ubidot	Dr.P.P.Zode YCCE, Nagpur
3:30 PM --- 4:30 PM	Home automation using Google assistant	Dr.P.P.Zode YCCE, Nagpur

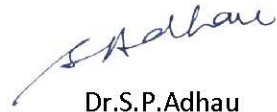
DATE	15-Oct-19	
TIME	TOPIC	SPEAKER
10:00 AM --- 11:00 AM	Robo control through a webpage	Dr.U.K.Shinde Sky Wing Technology
11:00 AM --- 12:00 PM	Introduction to Rpi & Python programming	Dr.U.K.Shinde Sky Wing Technology
12:00 PM --- 12:30 PM	High Tea	
12:30 PM --- 1:30 PM	Interfacing digital sensors	Dr.U.K.Shinde Sky Wing Technology
1:30 PM --- 2:30 PM	Lunch - Break	
2:30 PM --- 3:30 PM	Interfacing analog sensors	Dr.U.K.Shinde

2:30 PM --- 3:30 PM	interfacing analog sensors	Sky Wing Technology
3:30 PM --- 4:30 PM	Home automation using Google assistant	Dr.U.K.Shinde Sky Wing Technology

DATE	16-Oct-19	
TIME	TOPIC	SPEAKER
10:00 AM --- 11:00 AM	Logging sensor data to AWS cloud	Prof.S.G.Kadwane YCCE, Nagpur
11:00 AM --- 12:00 PM	Logging sensor data to Blynk app	Prof.S.G.Kadwane YCCE, Nagpur
12:00 PM --- 12:30 PM	High Tea	
12:30 PM --- 1:30 PM	Logging sensor data to Webpage using PHP	Prof.S.G.Kadwane YCCE, Nagpur
1:30 PM --- 2:30 PM	Lunch - Break	
2:30 PM --- 3:30 PM	Logging sensor data to Microsoft azure	Prof. J.M.Kumbhare YCCE, Nagpur
3:30 PM --- 4:30 PM	Home automation using MQTT & Mail alert using SMTP	Prof. J.M.Kumbhare YCCE, Nagpur

DATE	17-Oct-19	
TIME	TOPIC	SPEAKER
10:00 AM --- 11:00 AM	Creating webpage using flask in Rpi	Dr.U.K.Shinde Sky Wing Technology
11:00 AM --- 12:00 PM	Logging sensor data to google sheet	Dr.U.K.Shinde Sky Wing Technology
12:00 PM --- 12:30 PM	High Tea	
12:30 PM --- 1:30 PM	Logging sensor data to ubidot	Prof. J.M.Kumbhare YCCE, Nagpur
1:30 PM --- 2:30 PM	Lunch - Break	
2:30 PM --- 3:30 PM	Integrating alexa with Rpi	Dr.U.K.Shinde Sky Wing Technology

3:30 PM --- 4:30 PM	Robo control through webpage	Dr.U.K.Shinde Sky Wing Technology
4:30 PM --- 5:30 PM	Valedictory Function	



Dr.S.P.Adhau
HoD,EL.Dept



Department of Electrical Engineering

Report on

Value Added Course on

"Introduction to IOT Programming "

Department of Electrical Engineering of Yeshwantrao Chavan College of Engineering, Wanadongri Nagpur organized Value Added Course on "Introduction to IOT Programming " from **12th October to 17 October 2019.**

In this course the students were taught the basics and advance programing of IOT. The students were also given the hands-on training of the programing. The students were satisfied with overall conduct of the program. Prof. B. S. Sudame coordinated the program.



B. S. Sudame

Prof. B S Sudame
Coordinator

S. P. Adhau

Dr. S. P. Adhau
HoD

Objectives of the Course:

MATLAB is one of the most widely used high level computing languages; it provides users a friendly and interactive environment for algorithm development, data visualisation, data analysis, and numeric computation. With its extensive libraries of mathematical and graphical routines, MATLAB is used in areas such as, control design, test and measurement, power system design.

This course provides a progressively gentle introduction to MATLAB, fundamentals of programming, solving mathematical equations, simulation of converters, PWM techniques and its applications in the field of power electronics, drives, renewable energy systems etc. using MATLAB. The contents of this workshop are so designed that the learner will be able to develop the electrical systems.

This course will offer a unique opportunity for faculty, research scholars, PG students working in the relevant topics to develop expertise through theoretical sessions and laboratory based demonstrations.

Course Contents:

- Introduction to Basic programming, Modelling and Simulations.
- Applications of various Simulink (Power system) Blocks.
- Simulations of Converters and Inverters
- Simulation of Multilevel Inverters
- Modulation Techniques
- PV Programming and simulation of Grid Connected Systems and controls.
- Realization of Power Quality Problems using Simulink
- Simulations of Active Filters
- Harmonic Analysis using MATLAB
- Reliability Analysis using MATLAB programming
- Artificial Intelligence

Faculty:

Apart from the faculty of YCCE, eminent guest faculty in this field from NITs, Other prominent Institutes and Industry will deliver the lectures.

How to Apply:

Interested participants are required to submit the application form along with registration fees by demand draft / cash payment to the course coordinators. The demand draft to be drawn in favour of 'The Principal, YCCE' payable at Nagpur.

Registration Fees: Rs. 2000/- for faculty participant and Rs. 1200 for PG Students.

Eligibility:

The course is best suited for faculty of Electrical and Electronics Engineering. The course is open to faculty members of TEQIP network institutions; AICTE approved engineering colleges, industrial professionals, and research students.

Important Date:

Last date of receipt of application form:

JANUARY 10, 2020

Intimation to applicants by e-mail

JANUARY 12, 2020

Allowances, Lodging and Boarding

Working lunch during the course will be made available by the Institute. Accommodation to outstation participants will be provided on request on payment basis. TA/DA will not be admissible to any participant.

Contacts:

Dr. S. P. Gawande, Dept. of Electrical Engg. (M)
9960328951, e-mail-spgawande_18@yahoo.com
MS.S.L.Tiwari, Dept. of Electrical Engg. (M)
9422823380, shweta_tiwari200410@rediff.com

VALUE ADDED COURSE ON

MATLAB APPLICATIONS FOR ELECTRICAL ENGINEERING

(13 - 18th JANUARY 2020)
APPLICATION FORM

Name: _____

Age: _____

Designation: _____

Organization: _____

Mailing Address: _____

E-mail id: _____

Highest Academic Qualification: _____

Experience: _____

Details of registration fees :

Amount: _____ DD No.: _____

Dated: _____ Bank : _____

Accommodation required: Yes / No

Date: _____ Signature of the applicant

The applicant will be permitted to attend the programme, if selected.

Date: _____ Signature of the sponsoring authority with seal

Our Location:

The College is located at about 12 Km from Nagpur on the Nagpur-Hingna road at Wanadongri, on a hilltop. Lush green campus has been developed in about 40 acre of land with well-maintained greenery and beautiful gardens.

Our Institute:

Yeshwantrao Chavan College of Engineering (YCCE) established in 1984, is a premier technical educational institute of Central India. It is affiliated to Rashtrasant Tukdoji Maharaj Nagpur University (RTMNU). YCCE had become the first private engineering college to acquire 'Autonomous Status' in Central India. The institute is guided by Academic Board consisting of eminent academicians from prestigious technical institutes in India and abroad. The college received ISTE Best National Private Engineering College Award for 2014. Recently, YCCE is ranked 93rd at all India level amongst IITs, NITs, Govt. & Autonomous Institutions by NIFR, Ministry HRD, Govt. of India.

About Department of Electrical Engg.:

The department is accredited by National Board of Accreditation (NBA). The department is one of the well established departments imparting quality education to UG (Electrical) and PG (Integrated Power Systems) programmes. The department also offers Ph.D. programme to promote research activities in the various areas of Electrical Engineering. The department has wide research publications in reputed International/National conferences as well as SCI index journals like IEEE Transactions, IET, Elsevier, Journal of Power Electronics, Taylor & Francis etc. The department is having well established laboratories with computing facility having software's like MATLAB, EMTDC/PSCAD, SKM Power Tools, VSIM, PSIM and CASPOC.

(Self-Financing Basis)
ON

MATLAB APPLICATIONS FOR ELECTRICAL ENGINEERING

Convener

Dr.S.P.Adhau
Head of Department

Co-ordinator
Prof. P.S.Patil

Co-cordinator
Prof. R.S.Khonde

Organised by

Department of Electrical Engineering



**Yeshwantrao Chavan College of
Engineering**
Hingna Road, Wanadongri,
Nagpur (M.S.) – 441 110

Patrons:

Hon'ble Shri. Dattaji Meghe - Ex Member of Parliament (Lok Sabha) Chancellor, DMIMS, Nagpur, Chairman, NYSS, Nagpur.

Shri. Sagarji Meghe - Ex-MLC, Maharashtra State, Secretary, NYSS, Nagpur.

Shri. Sameerji Meghe- MLA, Hingna Constituency, Maharashtra State, Secretary, DMIMS, Nagpur, Treasurer, NYSS, Nagpur.

Advisors :

Dr. U. P. Waghe, Principal, YCCE, Nagpur

Dr. U. P. Waghe, Principal, YCCE, Nagpur

Dr. P. K. Dakhole, Registrar, YCCE, Nagpur

Dr. A. M. Pande, Director R & D (MGI), Nagpur.

Technical Committee:

Dr. V. B. Borghate, VNIT, Nagpur.

Dr. M. R. Ramteke, VNIT, Nagpur.

Dr. M. B. Diagavane, GHRIETW, Nagpur.

Dr. S. B. Bodhke, RCOEM, Nagpur.

Dr. S.P. Mule, PCOEA, Nagpur

Prof. P. D. Debre, RGCER, Nagpur.

Prof. Somalwar, DMIETR, Wardha,

Dr. Mrs. Shilpa Kalambe, DBACER, Nagpur.

Organising Committee:

Prof. B. Y. Bagde

Dr. P. M. Meshram

Dr. S. G. Kadwane.

Dr. S. P. Gawande

Prof. A. P. Munshi.

Prof. A. S. Lilhare

Prof. P. B. Joshi

Prof. Rohan Khonde.

Prof. Ashish Tikle.

Yeshwantrao Chavan College of Engineering, Nagpur
Department of Electrical Engineering

VALUE ADDED COURSE on
“MATLAB APPLICATIONS FOR ELECTRICAL ENGINEERING”
13 – 18 January 2020
Program Schedule

Day & Date	09.00 a.m. – 10.00 a.m.	10.00 a.m. – 11.00 a.m.	11.00 a.m. – 11.30 a.m.	11.30 a.m. – 1.00 p.m.	1.00 p.m. – 2.00 p.m.	2.00 p.m. – 3.30 p.m.	3.30 p.m. – 4.00 p.m.	4.00 p.m. – 5.00 p.m.
Monday 13/01/2020	Registration	Inauguration	High Tea	Basic MATLAB Programming (PSP)	Lunch Break	Basic MATLAB Programming (PSP)	Tea Break	MATLAB Lab Session-I (SLT)
	09.30 a.m. – 10.00 a.m.	10.00 a.m. – 11.30 a.m.	11.30 a.m. – 12.00 p.m.	12.00 p.m. – 1.30 p.m.	1.30 p.m. – 2.00 p.m.	2.00 p.m. – 3.30 p.m.	3.30 p.m. – 4.00 p.m.	4.00 p.m. – 5.30 p.m.
Tuesday 14/01/2020	Breakfast & Tea	Optimization Technique (BYB)	Tea Break	Optimization Technique (BYB)	Lunch Break	Multilevel Converters and Modulation Technique (PMM)	Tea Break	Multilevel Converters and Modulation Technique (PMM)
Wednesday 15/01/2020	Breakfast & Tea	Grid Connected Converters (SGK)		Grid Connected Converters (SGK)		FACTS Devices and Controllers (SPG)		FACTS Devices and Controllers (MMR)
Thursday 16/01/2020	Breakfast & Tea	Statistical Toolboxes (RMM)		Statistical Toolboxes (RMM)		Space Vector Modulation (AYF)		Selective Harmonic Elimination (PMM)
Friday 17/01/2020	Breakfast & Tea	Active Power Filter (SPG)		Active Power Filter (SPG)		MATLAB Simulation Applications in Transmission Line (SSG)		MATLAB Simulation Applications in Transmission Line (SSG)
	09.30 a.m. – 10.00 a.m.	10.00 a.m. – 11.30 a.m.		11.30 a.m. – 12.30 p.m.		12.30 p.m.		
Saturday 18/01/2020	Tea	Reduced switch Converter topology and control (SRG)	MATLAB Lab Session-II (JMK)	Valedictory				

Yeshwantrao Chavan College of Engineering, Nagpur
Department of Electrical Engineering

VALUE ADDED COURSE on
“MATLAB APPLICATIONS FOR ELECTRICAL ENGINEERING”
13 – 18 January 2020
Program Schedule

Day & Date	09.00 a.m. – 10.00 a.m.	10.00 a.m. – 11.00 a.m.	11.00 a.m. – 11.30 a.m.	11.30 a.m. – 1.00 p.m.	1.00 p.m. – 2.00 p.m.	2.00 p.m. – 3.30 p.m.	3.30 p.m. – 4.00 p.m.	4.00 p.m. – 5.00 p.m.	
Monday 13/01/2020	Registration	Inauguration	High Tea	Basic MATLAB Programming (PSP)	Lunch Break	Basic MATLAB Programming (PSP)	Tea Break	MATLAB Lab Session-I (SLT)	
	09.30 a.m. – 10.00 a.m.	10.00 a.m. – 11.30 a.m.	11.30 a.m. – 12.00 p.m.	12.00 p.m. – 1.30 p.m.	1.30 p.m. – 2.00 p.m.	2.00 p.m. – 3.30 p.m.	3.30 p.m. – 4.00 p.m.	4.00 p.m. – 5.30 p.m.	
Tuesday 14/01/2020	Breakfast & Tea	Optimization Technique (BYB)	Tea Break	Optimization Technique (BYB)	Lunch Break	Multilevel Converters and Modulation Technique (PMM)	Tea Break	Multilevel Converters and Modulation Technique (PMM)	
Wednesday 15/01/2020	Breakfast & Tea	Grid Connected Converters (SGK)		Grid Connected Converters (SGK)		FACTS Devices and Controllers (SPG)		4.00 p.m. – 5.00 p.m.	FACTS Devices and Controllers (MMR)
Thursday 16/01/2020	Breakfast & Tea	Statistical Toolboxes (RMM)		Statistical Toolboxes (RMM)		Space Vector Modulation (AYF)		4.00 p.m. – 5.30 p.m.	Selective Harmonic Elimination (PMM)
Friday 17/01/2020	Breakfast & Tea	Active Power Filter (SPG)		Active Power Filter (SPG)		MATLAB Simulation Applications in Transmission Line (SSG)			MATLAB Simulation Applications in Transmission Line (SSG)
	09.30 a.m. – 10.00 a.m.	10.00 a.m. – 11.30 a.m.		11.30 a.m. – 12.30 p.m.		12.30 p.m.			
Saturday 18/01/2020	Tea	Reduced switch Converter topology and control (SRG)	MATLAB Lab Session-II (JMK)	Valedictory					



Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

Department of Electrical Engineering

Report

on

Value Added Course on MATLAB Applications for Electrical Engineering 13 - 18 January 2020

Value Added Course on “MATLAB Applications for Electrical Engineering” was organized for Electrical Engineering students during 13 - 18 January 2020. The Course emphasizes the MATLAB software application to simulate electrical circuits. Total number of 45 students attended the course. Expert from VNIT and the expert from Electrical department addressed the students.

Prof. P. S. Patil was the course coordinator.



Prof. P.S. Patil
Course Coordinator

Dr. S. P. Adhau
Head of Department



Nagar YuwakShikshanSanstha's

YeshwantraoChavanCollege of Engineering

(An Autonomous Institution affiliated to RashtrasantTukadojiMaharajNagpurUniversity)

Hingna Road, Wanadongri, Nagpur - 441 110

Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

Department of Electronics Engineering

Date: 10/06/2020

Notice

All the students of all Semesters and all branches are hereby informed that department of Electronics Engineering is organizing Five-day workshop on "eSim" from 10Aug 2020 to 14 Aug 2020 in association with IIT Bombay under Spoken Tutorial Project.

Coordinator:

Prof. K.G.Pande

Dr. P.T.Karule
HoD, EEDept

ONE WEEK STUDENT DEVELOPMENT PROGRAM ON eSIM IN ASSOCIATION WITH SPOKEN TUTORIAL

Organize by Department of Electronics Engineering, YCCE, Nagpur

Date from 10 to 14 August 2020

Sr.No.	Date	Time	Topic	Activity
1	10.08.20	10 to 5	<ul style="list-style-type: none">● Getting started with eSim Linux Installation● Getting started with eSim windows installation	<ul style="list-style-type: none">✓ Watch videos posted in whatsapp group✓ Visit spoken tutorial site login and use the resource material.
2	11.08.20	10 to 5	<ul style="list-style-type: none">● Device model creation and simulation using eSim● Schematic creation and simulation using eSim	<ul style="list-style-type: none">✓ Watch videos posted in whatsapp group✓ Visit spoken tutorial site login and use the resource material.
3	12.08.20	10 to 5	<ul style="list-style-type: none">● Mapping components with footprints● Setting parameters for designing PCB	<ul style="list-style-type: none">✓ Watch videos posted in whatsapp group✓ Visit spoken tutorial site login and use the resource material.
4	13.08.20	10 to 5	<ul style="list-style-type: none">● Laying tracks on PCB● Simulating astable multivibrator	<ul style="list-style-type: none">✓ Watch videos posted in whatsapp group✓ Visit spoken tutorial site login and use the resource material.
5	14.08.20	10 to 5	<ul style="list-style-type: none">● PCB layout for astable multivibrator● Feedback● validictory	<ul style="list-style-type: none">✓ Watch videos posted in whatsapp group.✓ Visit spoken tutorial site login and use the resource material.

Note: Online examination schedule on 14.08.20 at 5 pm its compulsory if you score 40% above then only you will get certificate.



Nagar YuwakShikshanSanstha's
YeshwantraoChavan College of Engineering

(An Autonomous Institution affiliated to RashtrasanITukadojiMaharaj Nagpur University)
(Accredited 'A' Grade by NAAC)

**One Week Online
Students Development Programme**

On



“eSim”

A Free and Open
Source EDA Tool

10th August to 14th August 2020
In Association with



**“ Spoken Tutorial Project ”
Indian Institute of Technology,
Bombay.**

Chief Patrons:

Hon. Shri Dattaji Meghe

Chairman,

Nagar Yuwak Shikshan Sanstha's, Nagpur.

Shri. Sagarji Meghe

Secretary,

Nagar Yuwak Shikshan Sanstha's, Nagpur.

Shri. Sameerji Meghe

Treasurer,

Nagar Yuwak Shikshan Sanstha's, Nagpur.

General Chair:

Dr. U. P. Waghe.

Principal, YCCE, Nagpur

Convener:

Dr. P. T. Karule.

Head of the Department,

Department of Electronics Engineering, YCCE.

Co-Ordinators:

Prof. Ajay B. Thatere.

(BE First Year Coordinator, YCCE)

Prof. Atish A. Peshattiwar.

Prof. Kuldeep G. Pande.

How To Apply?

Participant should register on the following link. The registration link is open till 08th August 2020. Participants will be selected on a **First Come First Served Basis**. Limited seats are available for the said workshop. **E-Certificate will be provided after successfully completed the workshop.**

Link: <https://forms.gle/3LfQt7SCaALcg62R7>

Contact Persons:

➤ **Prof. Atish A. Peshattiwar.(9823344846)**

➤ **Prof. Kuldeep G. Pande.(9325106819)**

Important Instructions:

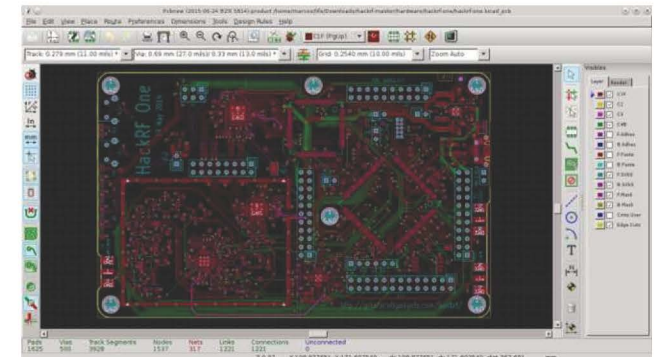
1. Resource Material Available:

https://spoken-tutorial.org/tutorial-search/?search_foss=eSim&search_language=English

Contact Hours: 11:00 am To 5:00pm.

2. Last Date of

Registration: 08th August 2020



About Meghe Group:

XXI Century Institutions are expected to impart education in a cross border, cross cultural environment. And also XXI Century Graduates are expected to work in a World Characterized by fragmentation of Research, Product Definition, Design, Manufacturing, Distribution and Services. Keeping this in view and also the current Education Scenario Nationally/Globally, the Institutions under the umbrella of Meghe Group of Institutions [MGI] provides excellence in education by adhering to the National/International benchmarks.

About The Institute:

The college is guided by the Academic Advisory Board consisting of eminent academicians from the prestigious technical institutes in India and USA. The college is having well qualified and experienced senior faculty members. Yeshwantrao Chavan College of Engineering (YCCE) is renowned for Engineering Education and Research. For over 36 years, it has successfully nurtured young engineering professionals, becoming a sought-after destination for students aspiring to higher technical education and placement in the competitive software and core industries. It offers a rare combination of respected scholars, international footprint and interdisciplinary studies.

About The EE Department:

The department of Electronics Engineering was established in 1984 and listed as one of the best private electronics engineering colleges in Maharashtra. Department is running one UG program and one PG program M.Tech (EE). Majority of faculty members are actively

involved in key research areas, including VLSI design, Embedded System design, Digital Signal & Image Processing. Academic profile as well as contribute as resource person and experts in various aspects.

Introduction to eSim:

eSim (previously known as Oscad / FreeEDA) is a free/libre and open source EDA tool developed by the FOSSEE team at IIT Bombay. It can be used for circuit design, simulation, and PCB design. It also supports mixed-mode simulation.

It is an integrated tool built using free/libre and open source software such as KiCad (<http://www.kicadpcb.org>), Ngspice (<http://ngspice.sourceforge.net/>) and GHDL (<http://ghdl.free.fr/>). eSim is released under GNU GPL License and runs on Ubuntu Linux OS, Windows 7 and above versions of Windows OS.

Features:

Create Circuit Schematic

- Generate netlists for simulation and PCB design.
- Perform Electric Rules Check (ERC).
- Create new components using Library Editor.

Perform Circuit Simulation

- Analog, digital and mixed signal circuit simulations.
- Perform AC, DC, DC operating point and Transient analyses.
- Interactive Python plotting.

Create PCB Layout

- Design multilayer PCB layouts.
- Create custom footprints or modify the existing footprints per requirement.

- Export the design in formats such as Gerber, PDF, SVG and several other formats.

Advanced Features

Model Builder

- Create/upload spice model for semiconductor devices.
- Modify or edit existing spice models for semiconductor devices.

ELIGIBILITY:

1. Students of engineering, management institutions at Degree /Diploma levels, of are eligible to participate. All the Participants are required to fill up online registration form before the deadlines.
2. Registration is FREE for all participants.

Important Note: The Spoken Tutorial Project team conducts workshop “eSim” spoken tutorials and gives certificate to those who pass the online test.

Date: 10th to 14th August 2020

**Department of Electronics Engineering**




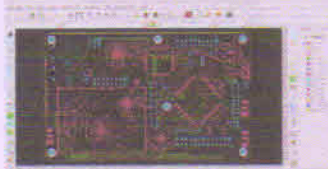
Date: 17.08.2020

Report

Department of Electronics Engineering organized Five day Student Development Program on "eSim" in association with **Indian Institute of Technology, Bombay** under **Spoken Tutorial Project** for the students of all branch and semester of YCCE. Total 95 Students participated.

Committee Member:

- Prof. A. B. Thatere
- Prof. K. G. Pande
- Prof. A. A. Peshattiwar

 <p>Nagar Yuwak Shikshan Sanstha's Yeshwantrao Chavan College of Engineering <small>(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)</small> (Accredited 'A' Grade by NAAC)</p> <p>One Week Online Students Development Programme On</p>  <p>"eSim" <small>A Free and Open Source EDA Tool</small></p> <p>10th August to 14th August 2020 In Association with</p>  <p>"Spoken Tutorial Project" Indian Institute of Technology, Bombay.</p>	<p>Chief Patrons: Hon. Shri Dattaji Meghe Chairman, Nagar Yuwak Shikshan Sanstha's, Nagpur. Shri. Sagarji Meghe Secretary, Nagar Yuwak Shikshan Sanstha's, Nagpur. Shri. Sameerji Meghe Treasurer, Nagar Yuwak Shikshan Sanstha's, Nagpur.</p> <p>General Chair: Dr. U. P. Wagle, Principal, YCCE, Nagpur.</p> <p>Convener: Dr. P. T. Karule, Head of the Department, Department of Electronics Engineering, YCCE.</p> <p>Co-Ordinators: Prof. Ajay B. Thatere, (BE First Year Coordinator, YCCE) Prof. Atish A. Peshattiwar, Prof. Kuldeep G. Pande.</p> <p>How To Apply? Participant should register on the following link. The registration link is open till 08th August 2020. Participants will be selected on a First Come First Served Basis. Limited seats are available for the said workshop. E-Certificate will be provided after successfully completed the workshop. Link: https://forms.gle/AL3Dn7SCa3Lq67R2</p>	<p>Contact Persons: ➤ Prof. Atish A. Peshattiwar, (9825544846) ➤ Prof. Kuldeep G. Pande, (9325106819)</p> <p>Important Instructions: 1. Resource Material Available: https://spoken-tutorial.org/tutorial-search/search?search=SpokenSim&search_language=en 2. Last Date of Registration: 08th August 2020</p> <p>Contact Hours: 11:00 am To 5:00pm</p> 
--	---	--



Dr. P.T. Karule

HOD

Department of Electronics Engineering,
YCCE Nagpur



Prof. A.B. Thatere



Nagar YuwakShikshanSanstha's

YeshwantraoChavanCollege of Engineering

(An Autonomous Institution affiliated to RashtrasantTukadojiMaharajNagpurUniversity)

Hingna Road, Wanadongri, Nagpur - 441 110

Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

Department of Electronics Engineering

Date: 10/06/2020

Notice

All the students of all Semesters and all branches are hereby informed that department of Electronics Engineering is organizing Five-day workshop on "Basics of Arduino" from 26 June 2020 to 30 June 2020 in association with IIT Bombay under Spoken Tutorial Project.

Coordinator:

Prof. K.G.Pande

Dr. P.T.Karule
HoD, EE Dept



Nagar Yuwak Shikshan Sanstha's
Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)
(Accredited 'A' Grade by NAAC)

**One Week Online
Students Development Programme
(COVID Lock Down 2020)**



On

“Basics of Arduino”
26th June to 30th June 2020
In Association with



“ Spoken Tutorial Project ”
**Indian Institute of Technology,
Bombay.**

CHIEF PATRONS:

Hon. Shri Dattaji Meghe
Chairman,
Nagar Yuwak Shikshan Sanstha's, Nagpur.
Shri. Sagarji Meghe
Secretary,
Nagar Yuwak Shikshan Sanstha's, Nagpur.
Shri. Sameerji Meghe
Treasurer,
Nagar Yuwak Shikshan Sanstha's, Nagpur.

GENERAL CHAIR:

Dr. U. P. Waghe.
Principal, YCCE, Nagpur

CONVENER:

Dr. P. T. Karule.
Head of the Department,
Department of Electronics Engineering, YCCE.

CO -ORDINATORS:

Prof. Ajay B. Thatere.
(BE First Year Coordinator, YCCE)
Prof. Atish P. Peshattiwar.
Prof. Kuldeep G. Pande.

HOW TO APPLY?

Participant should register on the following link. The registration link is open till 24th June 2020. Participants will be selected on a **First Come First Served Basis**. Limited seats are available for the said workshop. **E-Certificate will be provided after successfully completed the workshop.**

Link: <https://forms.gle/yh7ymfYu92CVZZMp7>

CONTACT PERSONS

- **Prof. Atish P. Peshattiwar. (982334484)**
- **Prof. Kuldeep G. Pande. (9325106819)**

IMPORTANT INSTRUCTION

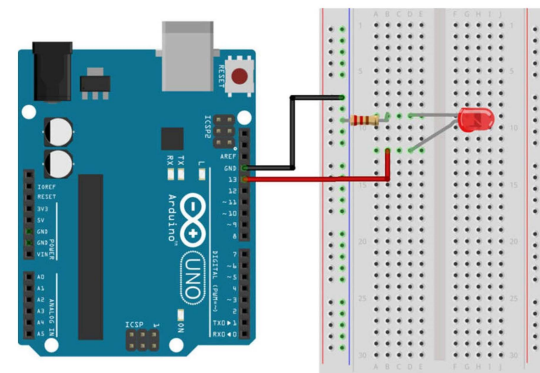
1. Resource Material Available:

https://spoken-tutorial.org/tutorial-search/?search_foss=Arduino&search_langu English

Contact Hours: 11:00 am To 5:00 pm.

2. Last Date of Registration:

24th June 2020



ABOUT MEGHE GROUP

XXI Century Institutions are expected to impart education in a cross border, cross cultural environment. And also XXI Century Graduates are expected to work in a World Characterized by fragmentation of Research, Product Definition, Design, Manufacturing, Distribution and Services. Keeping this in view and also the current Education Scenario Nationally/Globally, the Institutions under the umbrella of Meghe Group of Institutions [MGI] provides excellence in education by adhering to the National/International benchmarks.

ABOUT THE INSTITUTE

The college is guided by the Academic Advisory Board consisting of eminent academicians from the prestigious technical institutes in India and USA. The college is having well qualified and experienced senior faculty members. Yeshwantrao Chavan College of Engineering (YCCE) is renowned for Engineering Education and Research. For over 36 years, it has successfully nurtured young engineering professionals, becoming a sought-after destination for students aspiring to higher technical education and placement in the competitive software and core industries. It offers a rare combination of respected scholars, international footprint and interdisciplinary studies.

ABOUT THE EE DEPARTMENT

The department of **Electronics Engineering** was established in 1984 and listed as one of the best private electronics engineering colleges in Maharashtra. Department is running one UG program and one PG program M.Tech (EE). Majority of faculty members are actively involved in

key research areas, including VLSI design, Embedded System design, Digital Signal & Image Processing. Academic profile as well as contribute as resource person and experts in various aspects.

WHAT IS ARDUINO?

Arduino is an open-source electronics platform used for building electronics projects. Arduino consists of both a physical programmable circuit board or microcontroller and a software IDE (Integrated Development Environment) that runs on the computer. It is used to write and upload computer code to the physical board. It is intended for making interactive projects. Download Arduino IDE from www.arduino.cc

FEATURES OF ARDUINO IDE

- Works on Linux, Windows and Mac operating systems
- Has many in-built functions that make programming simple and easy
- Easy to write code and upload it to the physical board
- Arduino IDE can be used with any Arduino board
- Can be easily adapted for IoT applications
- Arduino can be turned into IoT product by adding ESP8266 wifi module

ELIGIBILITY

1. Students of engineering, management institutions at Degree /Diploma levels, of are eligible to participate. All the Participants are required to fill up online registration form before the deadlines.
2. Registration is FREE for all participants.

COURSE CONTENT

- Overview of Arduino
- Electronic components and connections
- Introduction to Arduino
- Arduino components and IDE
- First Arduino Program
- Arduino with Tricolor LED and Push button
- Arduino with LCD
- Display counter using Arduino
- Seven segment display
- Pulse Width Modulation
- Analog to Digital Conversion
- Wireless Connectivity to Arduino

BENEFITS OF USING ARDUINO KIT

- Arduino boards are less expensive compared to other microcontroller's platform.
- The Arduino programming environment is easy-to-use for beginners.
- For advanced users, the language can be expanded through C++ libraries and AVR-GCC programming language can be added to Arduino programs.
- The modules are published under a Creative Commons license, so circuit designers can make their own version of the module.

Important Note: The Spoken Tutorial Project team conducts workshop "Basics of Arduino" spoken tutorials and gives certificate to those who pass the online test.

Date: 26th to 30th June 2020

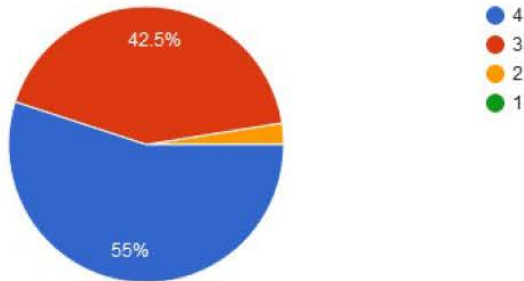


Department of Electronics Engineering

Impact Analysis

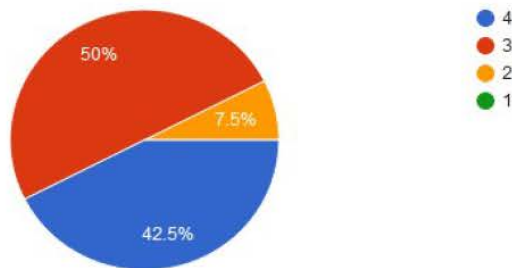
Workshop objective were stated clearly and met

40 responses



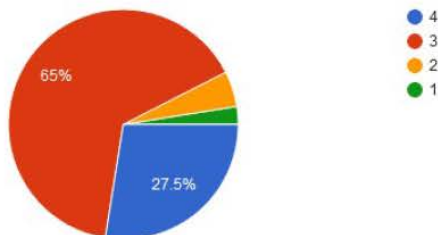
The workshop was well organized

40 responses



The workshop helped me to learn how to work effectively with my peers in a workshop setting

40 responses





Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

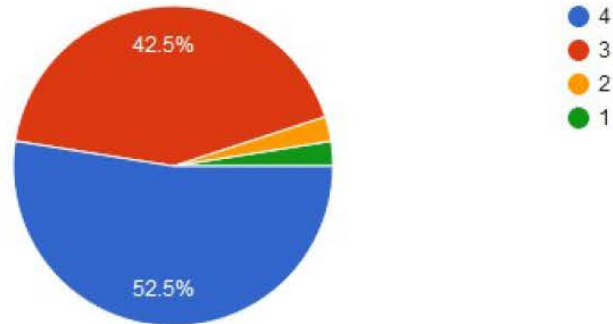
Hingna Road, Wanadongri, Nagpur - 441 110

Ph.: 07104-237919, 234623, 329249, 329250 Website: www.ycce.edu, Email: principal@ycce.edu

Department of Electronics Engineering

This workshop increased my knowledge and skill in Arduino

40 responses





Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

Hingna Road, Wanadongri, Nagpur - 441 110

Ph.: 07104-237919, 234623, 329249, 329250 Website: www.ycce.edu, Email: principal@ycce.edu

Department of Electronics Engineering

Date: 02.07.2020

Report

Department of Electronics Engineering organized Five day Student Development Program on "**Basics of Arduino**" in association with **Indian Institute of Technology, Bombay** under **Spoken Tutorial Project** for the students of all branch and semester of YCCE. Total 255 Students participated.

Committee Member:

- Prof. A. B. Thatere
- Prof. K. G. Pande
- Prof. A. A. Peshattiwar

Day	Date	Topic
Day 1	26.06.2020	<ul style="list-style-type: none">• Overview of Arduino.• Electronic components and connections.• Introduction to Arduino.• Arduino components and IDE.
Day 2	27.06.2020	<ul style="list-style-type: none">• First Arduino Program.• Arduino with Tricolor LED and Push button.
Day 3	28.06.2020	<ul style="list-style-type: none">• Arduino with LCD.• Arduino with Display counter using Arduino.
Day 4	29.06.2020	<ul style="list-style-type: none">• Arduino with Seven Segment Display.• Arduino with Pulse Width Modulation.
Day 5	30.06.2020	<ul style="list-style-type: none">• Arduino with Analog to Digital Conversion.• Arduino with Wireless Connectivity to Arduino.

Dr. P.T. Karule
HoD, EE

HOD

Department of Electronics Engineering
YCCE Nagpur

Prof. A.B. Thatere
Co-ordinator



Nagar YuwakShikshanSanstha's

Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

Hingna Road, Wanadongri, Nagpur - 441 110

Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

Department of Electronics Engineering

Date: 1/06/2020

Notice

All the students of 7TH Semester Electronics Engineering are hereby informed that department is organizing a workshop on “**Career planning through your final year project**” from 8 June 2020 to 13 June 2020.

Coordinator:

Prof. Pravin Zode

Dr. P.T. Karule
HoD, EE Dept

Yeshwantrao Chavan College of Engineering
Department of Electronics Engineering

6 -Days Workshop on

Planning Career through your Final Year Project

Coordinator

Pravin Zode

Topics:

- Role of project in career
- Recent Trends in industry
- Facilities at our department
- Discussion on project ideas
- Mentors and Project guide Interaction

Eligibility :

- VII sem Electronics Engg.
- V sem Electronics Engg.

Preferred mode lecture

- Webex (Laptop with Earphone recommended)
- One hour lecture with assignments

Registration link : <https://forms.gle/RNBzRsoUTpGeie3N7>

Time Table

Day		Topic
Day-1 Monday	8-June-2020	Planning Career
Day-2 Tuesday	9-June-2020	Recent Trends in Industry
Day-3 Wednesday	10-June-2020	Facilities at our department'
Day-4 Thursday	11-June-2020	Group Discussions <ul style="list-style-type: none">• Embedded System Design• Internet of Things (IoT)• VLSI Design (FPGA)• VLSI Design (CMOS)• Digital Image Processing• Artificial Intelligence
Day-5 Friday	12-June-2020	Project Ideas
Day-6 Saturday	13-June-2020	Concluding Remarks

For Registration Contact Co-coordinators:

Dr. Pradnya Zode : 9922960540 (V Sem Students)

Prof. S.M. Kakde : 9730675845 (VII Sem Students)

Workshop on
Career Planning through your Final Year Project

8-13 June 2020

Report

The workshop on “Career Planning through your Final Year Project” was organized on 8-13 June 2020. The workshop was coordinated by Dr. Pravin Zode, Prof. Sandeep Kakde and Dr. Pradnya Zode. The workshop highlighted the importance of career planning through final year project. The expert talks were delivered by Dr. Pravin Zode and Prof. Sandeep Kakde. They highlighted the importance of planning career and gave insight of current industry trends and opportunities for electronics engineers. Dr. Pradnya Zode coordinated the students registrations, feedbacks, post workshop counseling and guidance. 46 Participants registered for the workshop.

Coordinators :

- Dr. Pravin Zode
- Dr. Pradnya Zode
- Prof. Sandeep Kakde





Nagar Yuwak Shikshan Sanstha's
Yeshwantrao Chavan College of Engineering
(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)
Hingna Road, Wanadongri, Nagpur - 441 110
Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

Department of Electronics and Telecommunication Engineering

Date:-10/07/2020

Report of Six days Student Development Program (SDP) on
“Advances in Embedded systems and IoT”

In order to build the interest of students in the field of embedded systems and internet of things, department of Electronics and Telecommunication Engineering organized Six day online Student development program on “**Advances in Embedded systems and IoT**” for the students of all branches of B.E. and M. Tech. during 26th June to 1st July 2020. This course aims to introduce to the participants most popular microcontrollers and development and its usage with extensive hands on exposure. Course contents were

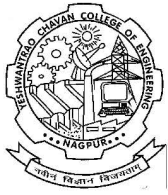
- Introduction to Arduino Uno board, sensor interfacing and mini project based on Arduino board.
- Virtual environments for Arduino boards.
- Interfacing with ARM7 controller.
- Internet of things and development of raspberry pi based weather station as an application of IoT.
- IoT using Node MCU development board.
- ATMEGA 16 programming and interfacing.

Total 81 students were registered for this event. The participants were from YCCE, JD College etc.

Prof. S.A.Desai
Co-ordinator

Prof. C.S.Gode
Co-ordinator

Dr. M. S. Narlawar
HoD,ET



Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

Hingna Road, Wanadongri, Nagpur - 441 110

Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

Department of Electronics and Telecommunication Engineering

Schedule of SDP

Date	10.00am to 12.00	12.30pm to 2.30pm	2.30pm to 3.30pm
26.06.2020	Arduino programming and interfacing	Solving assignment by students on virtual platform	Discssion on assignmt and doubt solving
27.06.2020	ARM 7 Programing and Interfacing	Solving assignment by students on virtual platform	Discssion on assignmt and doubt solving
28.06.2020	Iot using Raspberry pi	Solving assignment by students on virtual platform	Discssion on assignmt and doubt solving
29.06.2020	IoT using Node MCU	Solving assignment by students on virtual platform	Discssion on assignmt and doubt solving
30.06.2020	ATMEGA 16 Programing and Interfacing	Solving assignment by students on virtual platform	Discssion on assignmt and doubt solving
01.07.2020	ATMEGA 16 Programing and Interfacing	Solving assignment by students on virtual platform	Discssion on assignmt and doubt solving



Nagar Yuwak Shikshan Sanstha's
Yeshwantrao Chavan College of Engineering
(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)
Hingna Road, Wanadongri, Nagpur - 441 110
Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

Department of Electronics and Telecommunication Engineering

Date:-10/07/2020

Report of Six days Student Development Program (SDP) on
“Advances in Embedded systems and IoT”

In order to build the interest of students in the field of embedded systems and internet of things, department of Electronics and Telecommunication Engineering organized Six day online Student development program on “**Advances in Embedded systems and IoT**” for the students of all branches of B.E. and M. Tech. during 26th June to 1st July 2020. This course aims to introduce to the participants most popular microcontrollers and development and its usage with extensive hands on exposure. Course contents were

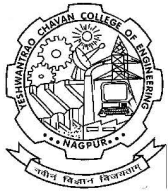
- Introduction to Arduino Uno board, sensor interfacing and mini project based on Arduino board.
- Virtual environments for Arduino boards.
- Interfacing with ARM7 controller.
- Internet of things and development of raspberry pi based weather station as an application of IoT.
- IoT using Node MCU development board.
- ATMEGA 16 programming and interfacing.

Total 81 students were registered for this event. The participants were from YCCE, JD College etc.

Prof. S.A.Desai
Co-ordinator

Prof. C.S.Gode
Co-ordinator

Dr. M. S. Narlawar
HoD,ET



Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

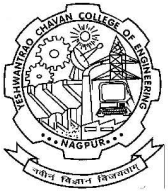
Hingna Road, Wanadongri, Nagpur - 441 110

Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

Department of Electronics and Telecommunication Engineering

Schedule of SDP

Date	10.00am to 12.00	12.30pm to 2.30pm	2.30pm to 3.30pm
26.06.2020	Arduino programming and interfacing	Solving assignment by students on virtual platform	Discssion on assignmt and doubt solving
27.06.2020	ARM 7 Programing and Interfacing	Solving assignment by students on virtual platform	Discssion on assignmt and doubt solving
28.06.2020	Iot using Raspberry pi	Solving assignment by students on virtual platform	Discssion on assignmt and doubt solving
29.06.2020	IoT using Node MCU	Solving assignment by students on virtual platform	Discssion on assignmt and doubt solving
30.06.2020	ATMEGA 16 Programing and Interfacing	Solving assignment by students on virtual platform	Discssion on assignmt and doubt solving
01.07.2020	ATMEGA 16 Programing and Interfacing	Solving assignment by students on virtual platform	Discssion on assignmt and doubt solving



Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

Hingna Road, Wanadongri, Nagpur - 441 110

Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

Department of Electronics and Telecommunication Engineering



Yeshwantrao Chavan College of Engineering , Nagpur

Department of Electronics and Telecommunication
Engineering

Presents

Online Student Development Program
on

“Advances in Embedded systems and IoT”

Registration Free for all
E-Certificates to all the participants

Duration: 26th June to 01st July 2020

Timing 11.00AM to 1.00PM

Contents:

Arduino, ATMEGA 16, ARM,
Raspberry pi, IoT

Registration Link:

Last Date of registration: 24.06.2020

Faculty Coordinators:

Prof. S. A. Desai

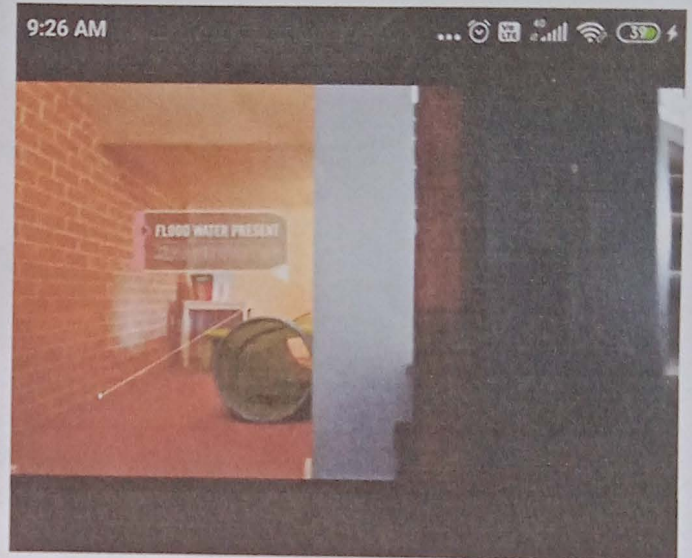
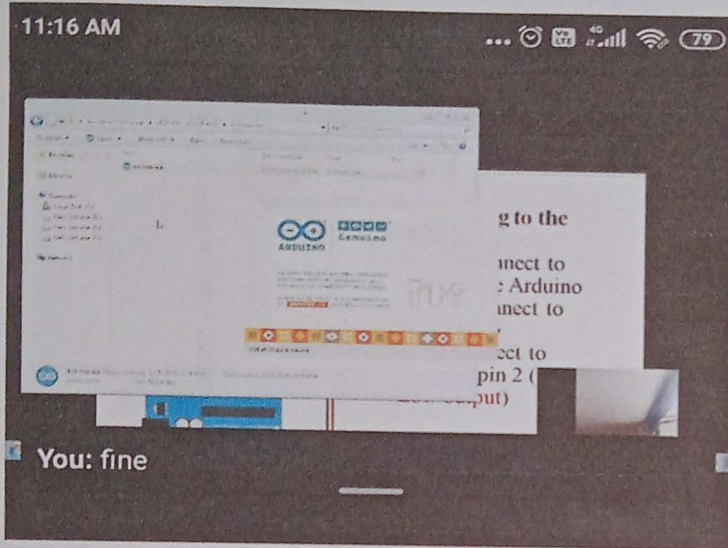
Prof. C. S. Gode



Nagar Yuwak Shikshan Sanstha's
Yeshwantrao Chavan College of Engineering
(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

Hingna Road, Wanadongri, Nagpur - 441 110
Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

Department of Electronics and Telecommunication Engineering



Ritika Potturi 9 mins

Yes sir

Deepti Yeole 9 mins

Yes sir

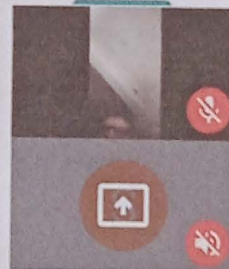
MS. AISHWARYA UJJAINKAR 9 mins

Yes sir

Aditi Khawase 9 mins

Yes sir

Send a message to everyone here



SANDIP DESAI (You)

SANDIP DESAI >


M

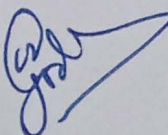
MS. ANJALI GAYKWAD >

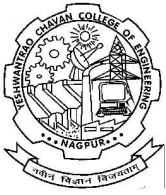
M

MR. SAUJANDU ROY >

Photographs Showing Online lecture conducted through Google meet platform


S.A. Desai


C.S. Gode



Nagar Yuwak Shikshan Sanstha's
Yeshwantrao Chavan College of Engineering
(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)
Hingna Road, Wanadongri, Nagpur - 441 110
Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

Department of Electronics and Telecommunication Engineering



Yeshwantrao Chavan College of Engineering , Nagpur
CERTIFICATE OF PARTICIPATION

This certificate is proudly presented to

Sandip Desai

For attending online Student Development Program on **“Advances in Embedded systems and IoT”**

Conducted from 26th June to 01st July 2020 by Department of Electronics and Telecommunication Engineering, YCCE, Nagpur

Prof. Sandip Desai
Faculty Coordinator
YCCE, Nagpur

Dr. M.S. Narlawar
HoD, ETC Dept.
YCCE, Nagpur

Prof. Chetan Gode
Faculty Coordinator
YCCE, Nagpur

Sample Certificate provided to participants



Yeshwantrao Chavan College of Engineering, Nagpur
(An Autonomous Institution affiliated to RTM Nagpur University)
Department of Electronics & Telecommunication Engineering
Six Days ISTE approved Student Development Program



On
“Image Processing and Computer Vision Applications (IPCVA-19)”
Under IEEE SB YCCE (31221)

Date: 16/12/2019

Report

ISTE approved Six Days Student Development Program under Aegis of IQAC on
“Implementation of CMOS VLSI and Digital System Design” under IEEE SB YCCE
(SB No. 31221)

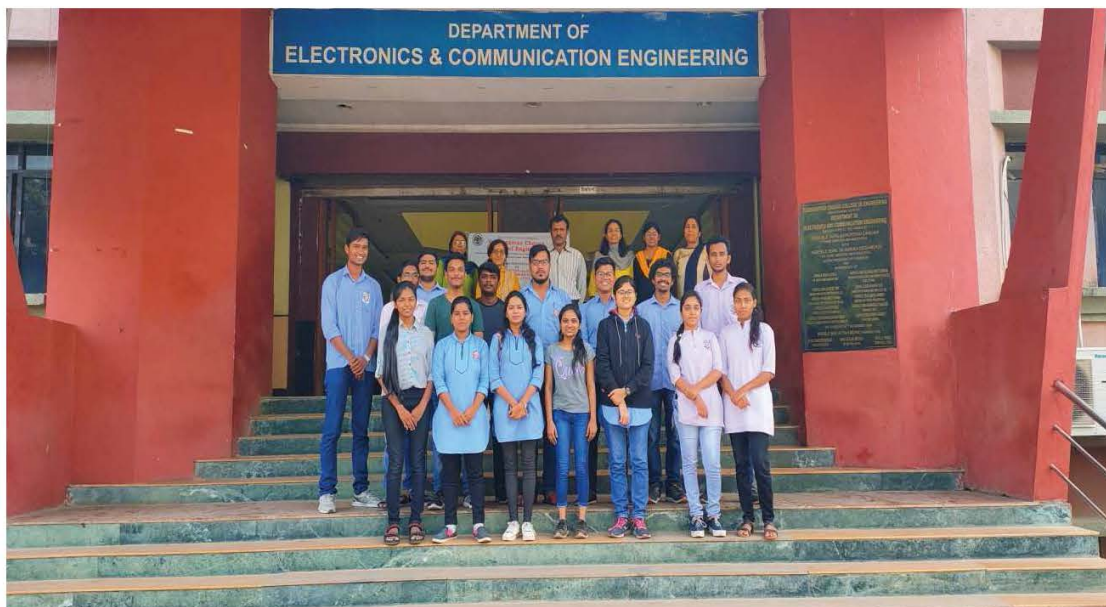
Date: 2-7 December 2019

Venue: DSP Lab, ET Department

Coordinator: Dr. M. S. Dorle/Prof. B.Y.Masram

No. of participant: 22

Department of Electronics & Telecommunication, Yeshwantrao Chavan College of Engineering Nagpur, successfully organized **Six Days ISTE approved Student Development Program under aegis of IQAC on “Implementation of CMOS VLSI and Digital System Design”** under IEEE Student Branch YCCE.

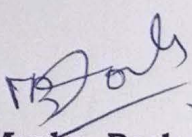
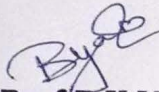


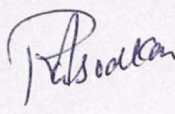
Program session was started by giving brief introduction to Hardware description Language by Dr. Megha Dorle and followed by Designing of Combinational circuits with VHDL. Introduction to Verilog and Digital System Design with Verilog were conducted by Dr. D.B. Bhojar. FPGA Basics, Synthesis Issue and hands on FPGA Implementation was taken by Dr. P. P. Zode.

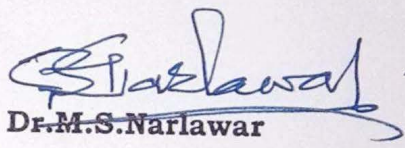
Next Prof. M. L. Keote was thrown some lights on Introduction to CMOS VLSI design followed by Prof. S. S. Chiwande was carried a session on Modeling of MOS transistor using Spice. Introduction to CMOS Fabrication Technology and Steps involved in Fabrication process was conducted by Prof. B. Y. Masram.

Prof. Sharmik Admane, RCOEM Nagpur took very informative session on "**Elements of SoC Design with ARM Cortex MO**", where sir has also given the research perspective starting from identification of problem statement to finding solution.

There were **22 participants** in the SDP of different Institute viz DBCER, RGCER, PCE, New horizon & YCCE. During this program, student learnt about basic and advanced CMOS Technology, programming on VHDL and Verilog and Implementation on FPGA Every session were followed by hands on practice during the program. Program ended with feedback session.



Dr. Megha Dorle/Prof.B.Y.Masram
Coordinator


Dr. Prasanna Palsodkar
Branch Counselor


Dr.M.S.Narlawar
HoD,ET



**ISTE approved
Certification
Course on**



“Implementation of CMOS VLSI and Digital System Design”

Under IEEE SB YCCE

2nd -7th December 2019

Convener

Dr. M. S. Narlawar

Co-ordinators

Dr. M. S. Dorle

Prof. B. Y. Masram



Organized by

**Department of Electronics &
Telecommunication Engineering**

Under IEEE SB YCCE (SB No. 31221)

**Yeshwantrao Chavan College of
Engineering, Nagpur (M.S.) – 441 110**

(An Autonomous Institution affiliated to
Rashtrasant Tukadoji Maharaj Nagpur
University)

Course Contents:

- Basics of Hardware Description Language
- Implementation of HDL Designs
- Introduction to CMOS VLSI Design
- Basic MOS device Physics
- Combinational & Sequential MOS Logic Circuits
- CMOS Fabrication Process
- Elements of SoC Design with ARM Cortex M0

How to Apply:

Interested Participants are required to register by sending the duly filled application form along with registration fee.

Eligibility:

Faculty/Student from AICTE recognized Engineering colleges from Electronics, Electronics & Telecommunication Engineering, Electrical Engineering, Computer Engineering, Information Technology, Mechanical Engineering disciplines are eligible for participation.

Registration Fees: Rs. 500/-

Important Dates:

Last date of receiving the application:

Tuesday, November 26, 2019

Our Institute:

A premiere technical institution established in 1984, YCCE is one of the 40 well performing colleges & first autonomous institute in the region. The institute is accredited by NAAC with 'A' Grade and almost all programs run by the institute are accredited by NBA.

Patrons:

Shri Dattaji Meghe, Chairman,
Shri Sagar Meghe, Secretary,
Shri Sameer Meghe, Treasurer,
Nagar Yuwak Shikshan Sanstha, Nagpur

Advisors:

Dr. U. P. Waghe, Principal
Dr. P. K. Dakhole, Registrar
Dr. A. M. Pande, Director, R&D
Prof. A.V. Bapat, Dean, Academic Matters

Resource Persons

- Er. Pravin More, Design Engineer, JDEMTECH Semiconductor Technologies, Nagpur
- Prof.S.V. Admane, RCOEM, Nagpur
- Dr. D. B. Bhoyar
- Dr. M. S. Dorle
- Prof. B. Y. Masram
- Prof. M. L. Keote
- Prof. S. S. Chiwande
- Prof. R. S. Keote

For Registration Contact:

Dr. M. S. Dorle: 09881711748

Prof. B. Y. Masram : 09970879459

ISTE approved

Certification Course

On

**“Implementation of CMOS VLSI
and Digital System Design”**

2nd -7th December 2019

APPLICATION FORM

Name: _____

Age: _____

Organization: _____

Phone No. : _____

E-mail id: _____

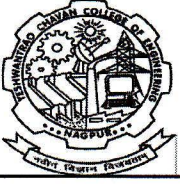
Details of registration fees:

Amount: _____

I agree that I will abide by the rules and regulations governing the course.

Date: _____

Signature of the applicant



Nagar YuwakShikshanSanstha's

Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

Hingna Road, Wanadongri, Nagpur - 441 110

Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

Department of Computer Technology

Date: 26-2-2020

NOTICE

Department of Computer Technology is organizing "Student Development Program on Blockchain and Ethereum" from 2/03/2020 to 07/03/2020. All the interested students can register for the program.

Dr. S. D. Kamble

Prof. R. S. Bhanuse

Coordinator

Dr. G. M. Dhopavkar

HoD, CT



Nagar Yuwak Shikshan Sanstha's
Yeshwantrao Chavan College of Engineering
(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)
Hingna Road, Wanadongri, Nagpur - 441 110
Ph.: 07104-242919, 242623, 242620, 9764996477 Fax: 07104-232376, Website: www.ycce.edu

Department of Computer Technology Report

Name of SDP : Blockchain & Ethereum

Duration of Program : 06 days Dates: 2nd March to 7th March 2020

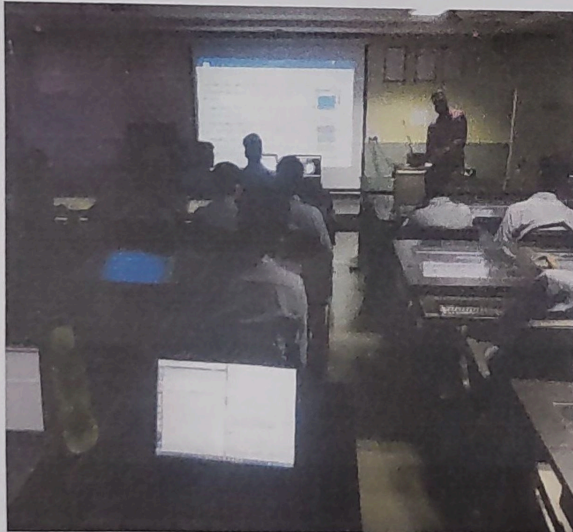
Co-ordinator : Prof.R.S.Bhanuse, Dr.S.D.Kamble Total Participants : 70

Expert:

1. Mr. Intisar Menhdi, Corporate Trainer

Details:

The department of Computer Technology YCCE, had organized a Six-Days(2nd March -7th March 2020) Student Development Programme on "Blockchain & Ethereum" in association with 'The Institution of Engineers (India) Nagpur Local Centre'. **Mr. Intisar Menhdi, Corporate Trainer** has conducted the whole sessions with handson. He introduced us to the world of technological advancements and its contributions in making people's lives easier through usage of technologies. The main focus of this SDP is to Learn how to create, program, deploy and interact with a decentralized application on Ethereum and also to Discover the most useful available tools for a Blockchain developer.

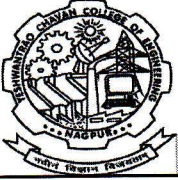


Co-ordinator

Prof.R.S.Bhanuse

HoD, CT, dept.

Dr. G.M.Dhopavkar



Nagar YuwakShikshanSanstha's

Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

Hingna Road, Wanadongri, Nagpur - 441 110

Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

Department of Computer Technology

Date: 20-12-2019

NOTICE

Department of Computer Technology is organizing "Student Development Program on Open-Source Tools" from 23/12/2019 to 28/12/2019. All the interested students are instructed to register for the program.

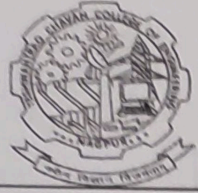
Er. S. S. Thombre

Er. G. K. Yenurkar

Coordinator

Dr. G. M. Dhopavkar

HoD, CT



Nagar YuwakShikshanSanstha's

YeshwantraoChavan College of Engineering
(An Autonomous Institution affiliated to RashtrasantukadojiMaharaj Nagpur University)
Hingna Road, Wanadongri, Nagpur - 441 110
Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

Department of Computer Technology

Report 2019-20

Event Name: Five days student development program on Open Source Tools.

Organizing Body: CTSC/ACM

Coordinator: Er. S. S. Thombre, Er. G. K. Yenurkar

Topic Covered: Amazon Web Services (AWS), Google CoLab, Web Security, Online hosting using AWS.

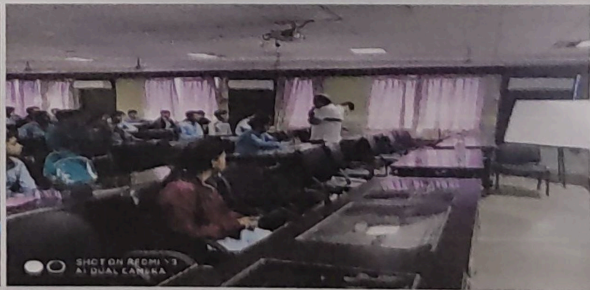
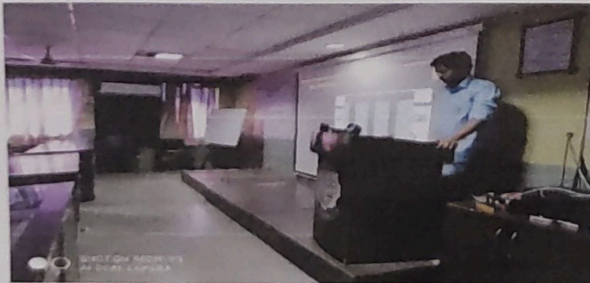
Date: 23rd – 28th December 2019 **Time:** 1:00 p.m. to 5:00 p.m.

Number of Participants: 50

Resource Person and Affiliation:

Mr. Purshottam Assudani, Associate professor, Information Technology Dept., RCOEM, Nagpur had covered the introduction to cloud computing its services and its various deployment models. Introduction to Amazon web Services, History of AWS and also the overall infrastructure of AWS which includes storage and networking areas of it. He had taken hand on session on Amazon web services (AWS).

Photos:



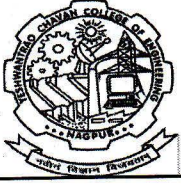
Er. S. S. Thombre

Er. G.K.Yenurkar (Coordinator)

G.M. Dhopavkar

Dr. G. M. Dhopavkar

HoD, CT



Nagar YuwakShikshanSanstha's

Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

Hingna Road, Wanadongri, Nagpur - 441 110

Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

Department of Computer Technology

Date: 20-04-2020

NOTICE

Department of Computer Technology is organizing "Spoken Tutorial on C and CPP" in association with IITB for the first-year students from 29/04/2020 to 06/05/2020. All the students from first year are requested to register for the program.

Dr. G. M. Dhopavkar

Coordinator

Dr. G. M. Dhopavkar

HoD, CT



Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

Hingna Road, Wanadongri, Nagpur - 441 110

Ph.: 07104-242919, 242623, 242620, 9764996477 Fax: 07104-232376, Website: www.ycce.edu

Department of Computer Technology

Report

Name of Value added Program : Spoken tutorial on C and CPP in association with IITB

Duration of Program : 40 Hrs Dates: 29th April to 6th May 2020

Co-ordinator : Dr. G. M. Dhopavkar Total Participants : 498

Experts : IIT Bombay

Details:

40 Hrs spoken tutorial is conducted on C and CPP by Dr. G. M. Dhopavkar in association with IIT Bombay. Video link was shared with students and asked them to watch it in self-paced mode. All students from first year have registered for this course.



Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering, Nagpur

40 Hrs. Value added course on Spoken Tutorial on C and CPP

organized by

Department of Computer Technology in association with IIT Bombay

(29/4/2020 to 6/5/202)

The Spoken Tutorial Project

- Self-explanatory, uses simple language
- Audio-video, uses multisensory approach
- Small duration, has better retention
- Learner-centered: learn at your own pace
- Learning by doing: learn and practise simultaneously
- Empowerment, learn a new FLOSS (Free/Libre and Open Source Software)

Target Group

- Students: High School and College
- Working professional- Software users, developers and trainers
- Research scholars
- Community at large

Workshops

The Spoken Tutorial Project Team conducts workshops on C and C++ and other FLOSS using spoken tutorials and gives certificates to those who pass an online test. For more details, please visit <https://spoken-tutorial.org>

Forum

We have developed a beginner friendly Forum to answer specific questions pertaining to any part of a particular tutorial. For more details, please visit <https://forums.spoken-tutorial.org>

The Spoken Tutorial Project is funded by the National Mission on Education through Information and Communication Technology, Ministry of Human Resource Development, Government of India.

Contact us

Email: contact@spoken-tutorial.org
Website: <https://spoken-tutorial.org>

Forum help available to all learners

Content available in 22 Indian languages



Spoken Tutorial by IIT Bombay is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.

All trademarks within this document belong to their respective owners.



Spoken Tutorial

<https://spoken-tutorial.org>



Scan the QR code to visit Spoken Tutorial website



National Mission on Education through Information and Communication Technology (NMEICT)

www.sakshat.ac.in

Funded by MHRD, Government of India.

G.M. Dhopavkar

Co-ordinator

G. M. Dhopavkar

G.M. Dhopavkar

HoD, CT, dept.

Dr. G. M. Dhopavkar



Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

(Accredited 'A' Grade by NAAC)

Hingna Road, Wanadongri, Nagpur - 441 110

Ph.: 07104-242919, 242623, Fax: 07104-242376, Website: www.ycce.edu

E-mail : principal@ycce.edu, info@ycce.edu

Department of Information Technology

Date: 01/06/2020

NOTICE

The Department of Information Technology is going to organize 6-days value added course on "IBM Watson" from dated 8th June 2020 to 13th June 2020 in association with Persistent Systems Pvt. Ltd, Nagpur. Speaker for this program is Mr. Amit Pande .

Interested students are requested to register for this programme.


Prof. Sushil Chavhan

Asstt. Professor & Coordinator


Dr. R. C. Dharmik

HOD, IT

Head, Deptt. of Information Tech.,
YCCE, Nagpur - 441110



Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

(Accredited 'A' Grade by NAAC)

Hingna Road, Wanadongri, Nagpur - 441 110

Ph.: 07104-242919, 242623, Fax: 07104-242376, Website: www.ycce.edu

E-mail : principal@ycce.edu, info@ycce.edu

Department of Information Technology

Student Development Workshop, Report

Name: **One week workshop on “IBM Watson”**

Date: **08/06/2020 to 13/06/2020**

Venue: **WebEx links**

Organized for: **5rd Semester and 7th Semester Students of IT**

The Department of Information Technology had organized one Week Student Development Programme on , “**IBM Watson**” from **08th June 2020 to 13th June 2020** in association with Persistent Systems Pvt. Ltd. Nagpur. The Workshop was coordinated by Mr. Sushil Chavhan ,Mr. S. W. Shende and Mr. R. C. Dharmik. The resource persons were Mr. Amit Pande (Project Lead Persistent Systems Nagpur).

The Workshop was attended by 5th semester and 7th semester students of IT. There were 62 Students participants. The objective of the workshop was to make the students aware of IBM Watson and Blumix Technologies, Services and applications developed in IBM Watson.

Workshop started with basic of AI and Neural net and covers following points

Date	Content	Time
08-Jun-20	<ul style="list-style-type: none">• Introduction to AI Systems• Introduction to neural nets• Overview of machine learning techniques(supervised, unsupervised and reinforcement)• Accuracy Calculations(Precision, recall and accuracy)• Use cases of AI systems	8:30 AM to 10:30 AM
09-Jun-20	<ul style="list-style-type: none">• Introduction to Watson starter kits• Introduction and sample application using Watson Knowledge Studio• Explanation of intents and classes• Introduction & demonstration of Watson Conversational Agent	8:30 AM to 10:30 AM
10-Jun-20	<ul style="list-style-type: none">• Integration of Watson conversation service with external systems like twitter• Introduction & Demonstration Watson Discovery service• Introduction & Demonstration of text-to-speech and speech-to-text	8:30 AM to 10:30 AM



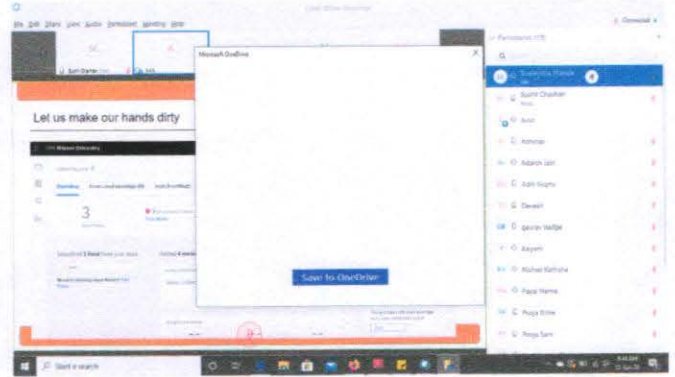
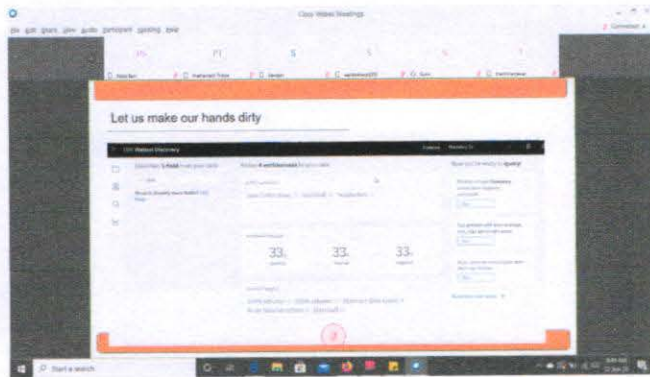
Nagar Yuwak Shikshan Sanstha's
Yeshwantrao Chavan College of Engineering
(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)
(Accredited 'A' Grade by NAAC)

Hingna Road, Wanadongri, Nagpur - 441 110
Ph.: 07104-242919, 242623, Fax: 07104-242376, Website: www.ycce.edu
E-mail : principal@ycce.edu, info@ycce.edu

Department of Information Technology

11-Jun-20	<ul style="list-style-type: none">• Introduction to text classification using NLC• Introduction to Watson SDK's to build REST based applications• Introduction & demonstration of Visual recognition service	8:30 AM to 10:30 AM
12-Jun-20	<ul style="list-style-type: none">• Introduction and demonstration of Personality Insights• Introduction and demonstration of Tone analyser• Introduction to Natural Language Understanding	8:30 AM to 10:30 AM
13-Jun-20	<ul style="list-style-type: none">• Introduction to design patterns for composing multiple Watson services• Introduction to advantages of using IBM cloud• Certification preparation and process	8:30 AM to 10:30 AM

Response from the students was over whelming. The session then concluded with a Question and Answer session followed by votes of thanks



Submitted by

Mr. S. S. Chavan

Mr. S. W. Shende

Assistant Professor
Dept. of Information Tech
YCCEE, NAGPUR - 441110

Dr. R. C. Dharmik

HOD-IT

Head, Deptt. of Information Tech.,
YCCE, Nagpur - 441110

Institute Level Value Added courses conducted from 2016-17 to 2020-21

Name of the value added courses by Innovic (with 30 or more contact hours) offered (even if it is less than 30 hrs to be made more than 30hrs)	Course Code (if any)	Year of offering	No. of times offered during the same year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
Campus Recruitment Training	CRT	2020-21	1	90	1202	1180
Presenter In Me	PIM	2020-21	1	30	1232	1150
Advanced Get Set Go	AGSG	2020-21	1	30	1203	1138
Industrial Programming Language	IPL	2020-21	1	30	1128	1073
Functional English	FE	2020-21	1	30	1203	1085
Campus Recruitment Training	CRT	2019-20	2	80	1316	1316
Advanced Get Set Go	AGSG	2019-20	1	30	1154	953
Industrial Programming Language	IPL	2019-20	1	35	1154	913
Get Set Go	GSG	2019-20	1	35	1080	1080
Campus Recruitment Training	CRT	2018-19	2	80	1252	1159
Remedial Grammar	R.G	2018-19	1	30	1138	1138
Presenter In Me	PIM	2018-19	1	30	1138	1138
Industrial Programming Language	IPL	2018-19	1	35	1138	1138
Functional English	FE	2018-19	1	35	1103	546
Get Set Go	GSG	2018-19	1	35	1103	1103
Advanced Get Set Go	AGSG	2018-19	1	30	1199	1131
Campus Recruitment Training	CRT	2017-18	2	80	1181	1048
Presenter In Me	PIM	2017-18	1	30	1150	840
Industrial Programming Language	IPL	2017-18	1	40	1100	585
Functional English	FE	2017-18	1	35	1050	960
Remedial Grammar	R.G	2017-18	1	40	1100	683
Get Set Go	GSG	2017-18	1	35	1050	940
Campus Recruitment Training	CRT	2016-17	1	97	960	886
Campus Recruitment Training	CRT	2015-16	1	97	942	897



Dr. A.V. Patil
Dean (Academic Matters)




PRINCIPAL
 Yashwantrao Chavan
 College of Engineering
 Wananangri, Hingna Road,
 NAGPUR - 441110



Industrial Programming Language



TM

ADCC

Academy Pvt. Ltd

EMPOWERING STUDENTS FOR BETTER FUTURE

CAMPUS RECRUITMENT TRAINING PROGRAM
INDUSTRIAL PROGRAMMING LANGUAGE

Academy

TABLE OF CONTENTS

C PROGRAMMING LANGUAGE.....	
INTRODUCTION TO PROGRAMMING LANGUAGE.....	10
WHAT IS PROGRAMMING?.....	10
DEVELOPING A SOLUTION LOGICALLY.....	10
PROGRAMMING: THE NEXT STEP AFTER DEVELOPING AN ALGORITHM.....	10
INTRODUCTION TO C PROGRAMMING.....	10
ORIGIN OF C.....	12
WHERE IS C USEFUL?.....	12
WHAT KIND OF LANGUAGE IS C?.....	13
DATA TYPES.....	13
THE INT DATA TYPE.....	13
THE FLOAT DATA TYPE.....	14
THE CHAR DATA TYPE.....	14
VARIABLES & CONSTANTS.....	14
DECLARING VARIABLES IN A C PROGRAM.....	15
STORING DATA IN VARIABLES.....	15
DATA AND INPUT FUNCTIONS.....	16
OPERATORS.....	18
ARITHMETIC OPERATORS.....	18
TYPECASTING.....	20
ASSIGNMENT OPERATORS IN C.....	20
RELATIONAL OPERATORS.....	21
LOGICAL OPERATORS.....	22
EXPRESSIONS AND OPERATOR PRECEDENCE.....	24
CONTROL STRUCTURES.....	25
THE IF STATEMENT.....	25
MULTIPLE STATEMENTS WITHIN IF.....	27
THE IF-ELSE STATEMENT.....	28
NESTED IF-ELSESES.....	29
USE OF LOGICAL OPERATORS.....	30
THE ELSE IF CLAUSE.....	31
LOOPING & ITERATION.....	31
LOOPS.....	32
THE WHILE LOOP.....	32
THE FOR LOOP.....	35
NESTING OF LOOPS.....	39
MULTIPLE INITIALISATIONS IN THE FOR LOOP.....	40
THE BREAK STATEMENT.....	40
THE CONTINUE STATEMENT.....	42

THE DO-WHILE LOOP	43
DECISIONS USING SWITCH.....	44
FUNCTIONS & POINTERS	46
INTRODUCTION TO FUNCTIONS	47
PASSING VALUES BETWEEN FUNCTIONS	49
SCOPE RULE OF FUNCTIONS	50
INTRODUCTION TO POINTERS.....	51
POINTER NOTATION.....	51
ARRAYS.....	56
WHAT ARE ARRAYS.....	56
A SIMPLE PROGRAM USING ARRAY	57
ARRAY DECLARATION	58
ACCESSING ELEMENTS OF AN ARRAY	58
READING DATA FROM AN ARRAY.....	59
ARRAY INITIALISATION	59
POINTERS AND ARRAYS.....	61
PASSING AN ENTIRE ARRAY TO A FUNCTION.....	62
TWO DIMENSIONAL ARRAYS.....	63
POINTER TO AN ARRAY.....	67
ARRAY OF POINTERS.....	70
THREE-DIMENSIONAL ARRAY	71
WORKING WITH STRINGS.....	71
WHAT ARE STRINGS	72
MORE ABOUT STRINGS.....	72
POINTERS AND STRINGS.....	75
STANDARD LIBRARY STRING FUNCTIONS	76
STRUCTURES.....	81
WHY USE STRUCTURES	82
DECLARING A STRUCTURE	83
ACCESSING STRUCTURE ELEMENTS	85
HOW STRUCTURE ELEMENTS ARE STORED.....	85
ARRAY OF STRUCTURES	86
ADDITIONAL FEATURES OF STRUCTURES	87
USES OF STRUCTURES.....	92
FILE HANDLING	93
DATA ORGANIZATION.....	93
FILE OPERATIONS.....	94
A FILE-COPY PROGRAM.....	98
WRITING TO A FILE.....	99
FILE OPENING MODES	99

STRING (LINE) I/O IN FILES	100
THE AWKWARD NEWLINE	102
RECORD I/O IN FILES	102
DATABASE MANAGEMENT	104
PROGRAMMING IN C++	109
INTRODUCTION TO C++	109
OBJECT ORIENTED PROGRAMMING	109
INTRODUCTION TO CLASSES AND OBJECTS	109
CLASSES V/S PROCEDURAL PROGRAM	110
STRUCTURE OF C++ PROGRAM	110
COMPONENTS OF C++ PROGRAM	111
HEADER FILES	111
INT MAIN() OR VOID MAIN()	112
DATA TYPES	112
VARIABLES	113
SCOPE OF VARIABLES	113
OPERATORS	114
CONDITIONAL STATEMENTS	115
IF STATEMENT	115
IF...ELSE STATEMENT	115
ITERATION STRUCTURES	116
WHILE LOOP STRUCTURE	116
DO...WHILE LOOP STRUCTURE	117
FOR LOOP STRUCTURE	117
SWITCH CASE STRUCTURE	118
FUNCTIONS	118
INTRODUCTION TO FUNCTIONS	118
USER DEFINED FUNCTIONS	119
FUNCTION PROTOTYPE AND RETURN STATEMENT	120
RETURN STATEMENT	122
FUNCTIONS WITH EMPTY PARAMETER LIST	125
FUNCTION OVERLOADING	125
THE INLINE FUNCTIONS	126
CLASSES & OBJECTS	127
DECLARATION OF CLASS AND CLASS OBJECTS	128
ACCESS SPECIFIERS – PRIVATE, PROTECTED AND PUBLIC	130
DEFINING A MEMBER FUNCTION OUTSIDE THE CLASS	131
INITIALIZING PRIVATE DATA MEMBERS	132
ACCESSING PRIVATE DATA MEMBERS	134
CLASS WITH AN ARRAY AS DATA MEMBER	135

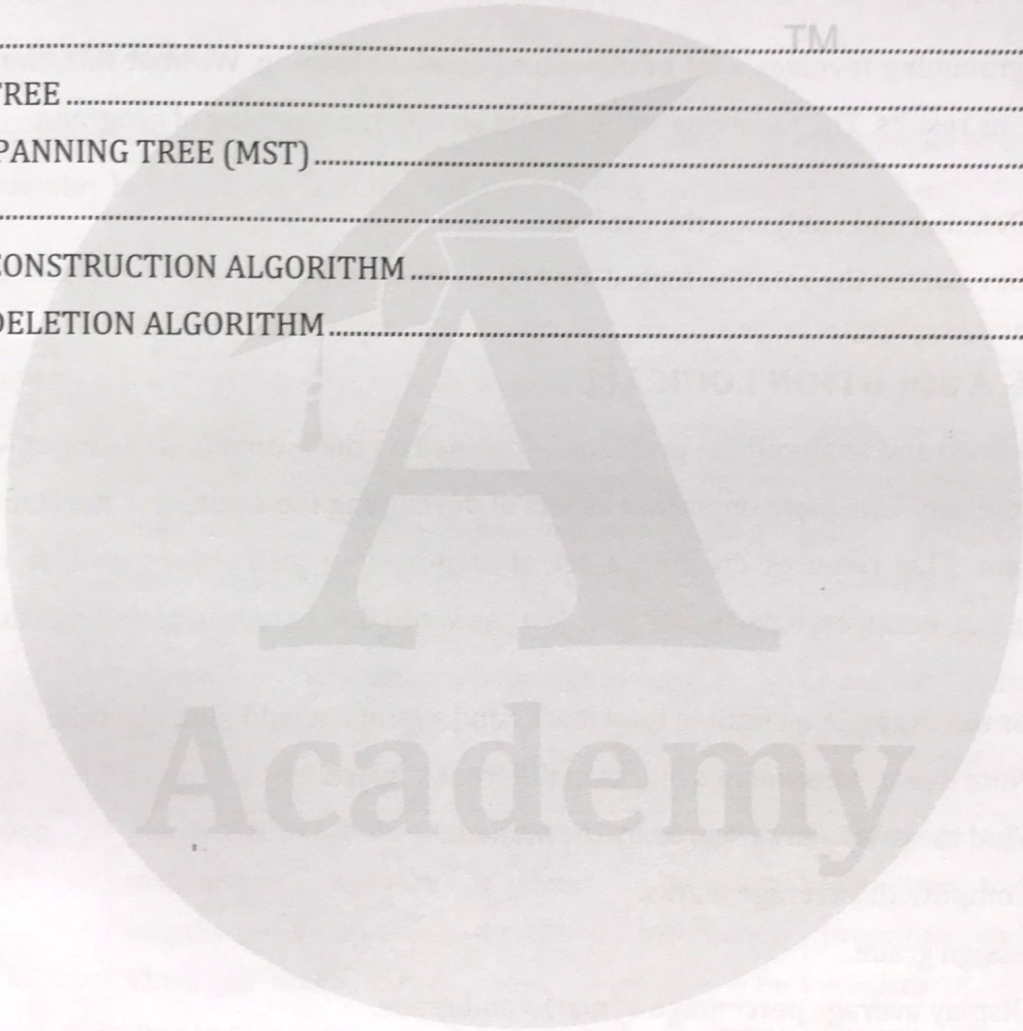
CLASS WITH AN ARRAY OF STRINGS AS DATA MEMBER	136
CLASS CONSTRUCTOR AND DESTRUCTOR FUNCTIONS	137
TYPES OF CONSTRUCTORS	139
ACCESSING PRIVATE FUNCTION MEMBERS OF A CLASS	142
POINTER TO A CLASS.....	143
POINTERS TO OBJECTS OF A CLASS.....	146
POINTERS TO FUNCTION MEMBERS OF A CLASS.....	147
POINTER TO DATA MEMBER OF A CLASS	148
STATIC DATA MEMBERS OF A CLASS.....	149
STATIC FUNCTION MEMBER OF A CLASS.....	151
OPERATOR OVERLOADING.....	152
INTRODUCTION TO OPERATOR OVERLOADING	152
OPERATORS THAT MAY BE OVERLOADED.....	153
RESTRICTIONS ON OVERLOADED OPERATORS	153
OPERATOR OVERLOADING FUNCTIONS.....	153
OVERLOADING FUNCTIONS AND ARGUMENTS.....	154
OPERATOR + DEFINED TO CARRY OUT MINUS OPERATION.....	155
ADDITION OF COMPLEX NUMBERS	157
OVERLOADING OF += AND -= OPERATORS.....	157
OVERLOADING OF INSERTION (<<), EXTRACTION (>>) AND /= OPERATORS.....	158
OVERLOADING OF INCREMENT AND DECREMENT OPERATORS (++ AND --).....	160
OVERLOADING OF EQUALITY OPERATOR (==)	162
OVERLOADING OF INDEX OPERATOR []	163
INHERITANCE.....	164
INTRODUCTION TO INHERITANCE	164
FORMS OF INHERITANCES.....	164
SINGLE PUBLIC INHERITANCE.....	166
SINGLE PROTECTED INHERITANCE	170
SINGLE PRIVATE INHERITANCE.....	171
MULTIPLE INHERITANCE.....	171
MULTILEVEL INHERITANCE	173
CONSTRUCTORS AND DESTRUCTORS IN INHERITANCE	175
POLYMORPHISM.....	178
VIRTUAL FUNCTIONS	178
ARRAYS OF BASE CLASS POINTERS	184
EXCEPTION HANDLING	185
INTRODUCTION.....	185
THE TRY, THROW AND CATCH.....	186
CATCH ALL TYPES OF EXCEPTIONS	192
EXCEPTION HANDLING FUNCTION.....	193

EXCEPTION SPECIFICATION.....	195
RETHROW AN EXCEPTION.....	198
C++ STANDARD LIBRARY EXCEPTION CLASSES	199
FUNCTION TERMINATE() AND SET_TERMINATE().....	202
FUNCTION UNEXPECTED() AND SET_UNEXPECTED().....	203
DATA STRUCTURE USING C PROGRAMMING	204
INTRODUCTION	204
CHARACTERISTICS OF A DATA STRUCTURE	204
NEED FOR DATA STRUCTURE	204
BASIC TERMINOLOGY	205
ALGORITHMS – BASICS.....	205
CHARACTERISTICS OF AN ALGORITHM.....	205
HOW TO WRITE AN ALGORITHM?.....	206
ALGORITHM COMPLEXITY	207
SPACE COMPLEXITY.....	207
TIME COMPLEXITY	207
ASYMPTOTIC ANALYSIS	208
ASYMPTOTIC NOTATIONS.....	208
DATA STRUCTURE BASIC CONCEPTS.....	209
DATA DEFINITION	209
DATA OBJECT	210
DATA TYPE.....	210
BASIC OPERATIONS	210
ARRAYS.....	211
ARRAY REPRESENTATION	211
BASIC OPERATIONS.....	212
INSERTION OPERATION.....	212
ARRAY INSERTIONS	213
DELETION OPERATION.....	219
SEARCH OPERATION.....	220
UPDATE OPERATION	221
LINKED LIST	223
LINKED LIST REPRESENTATION	223
TYPES OF LINKED LIST	223
BASIC OPERATIONS.....	223
INSERTION OPERATION	224
DELETION OPERATION.....	225
REVERSE OPERATION	226
LINKED LIST PROGRAM IN C.....	227
DOUBLY LINKED LIST	232

DOUBLY LINKED LIST REPRESENTATION	232
BASIC OPERATIONS.....	232
INSERTION OPERATION.....	233
DELETION OPERATION.....	233
DOUBLY LINKED LIST PROGRAM IN C.....	234
CIRCULAR LINKED LIST	238
SINGLY LINKED LIST AS CIRCULAR.....	239
DOUBLY LINKED LIST AS CIRCULAR	239
BASIC OPERATIONS.....	239
INSERTION OPERATION.....	239
DELETION OPERATION.....	240
DISPLAY LIST OPERATION	240
CIRCULAR LINKED LIST PROGRAM IN C.....	240
STACK & QUEUE.....	243
STACK INTRODUCTION	243
STACK REPRESENTATION.....	243
BASIC OPERATIONS.....	243
PUSH OPERATION	245
POP OPERATION	246
STACK PROGRAM IN C.....	248
EXPRESSION PARSING	249
PARSING EXPRESSIONS	250
ASSOCIATIVITY.....	251
POSTFIX EVALUATION ALGORITHM	251
EXPRESSION PARSING USING STACK.....	251
QUEUE INTRODUCTION.....	255
QUEUE REPRESENTATION.....	255
BASIC OPERATIONS.....	255
ENQUEUE OPERATION.....	257
DEQUEUE OPERATION.....	258
QUEUE PROGRAM IN C.....	259
SEARCHING.....	261
LINEAR SEARCH.....	261
BINARY SEARCH.....	263
INTERPOLATION SEARCH	268
HASHING	272
INTRODUCTION TO HASHING.....	272
LINEAR PROBING	273
BASIC OPERATIONS.....	273
DATA ITEM	273

HASH METHOD.....	273
SEARCH OPERATION.....	274
INSERT OPERATION.....	274
DELETE OPERATION.....	275
HASH TABLE PROGRAM IN C.....	275
SORTING.....	278
IN-PLACE SORTING AND NOT-IN-PLACE SORTING.....	278
STABLE AND NOT STABLE SORTING.....	278
ADAPTIVE AND NON-ADAPTIVE SORTING ALGORITHM.....	279
BUBBLE SORT.....	280
HOW BUBBLE SORT WORKS?.....	280
IMPLEMENTATION.....	284
INSERTION SORT.....	286
HOW INSERTION SORT WORKS?.....	286
INSERTION SORT PROGRAM IN C.....	289
SELECTION SORT.....	291
HOW SELECTION SORT WORKS?.....	291
SELECTION SORT PROGRAM IN C.....	294
MERGE SORT.....	296
HOW MERGE SORT WORKS?.....	296
MERGE SORT PROGRAM IN C.....	298
SHELL SORT.....	299
HOW SHELL SORT WORKS?.....	299
SHELL SORT PROGRAM IN C.....	302
QUICK SORT.....	304
PARTITION IN QUICK SORT.....	304
QUICK SORT PIVOT ALGORITHM.....	305
QUICK SORT PIVOT PSEUDOCODE.....	305
QUICK SORT PROGRAM IN C.....	306
GRAPHS.....	309
GRAPH DATA STRUCTURE.....	309
BASIC OPERATIONS.....	310
DEPTH FIRST TRAVERSAL.....	310
DEPTH FIRST TRAVERSAL IN C.....	313
BREADTH FIRST TRAVERSAL.....	316
BREADTH FIRST TRAVERSAL IN C.....	318
TREE DATA STRUCTURES.....	321
IMPORTANT TERMS.....	322
BINARY SEARCH TREE REPRESENTATION.....	322
BST BASIC OPERATIONS.....	323

INSERT OPERATION.....	323
SEARCH OPERATION.....	325
TREE TRAVERSAL IN C.....	326
TREE TRAVERSAL	329
IN-ORDER TRAVERSAL	329
PRE-ORDER TRAVERSAL	330
POST-ORDER TRAVERSAL.....	331
TREE TRAVERSAL IN C.....	332
BINARY SEARCH TREE.....	335
AVL TREES.....	337
SPANNING TREE	342
MINIMUM SPANNING TREE (MST).....	344
HEAPS.....	351
MAX HEAP CONSTRUCTION ALGORITHM	352
MAX HEAP DELETION ALGORITHM.....	352





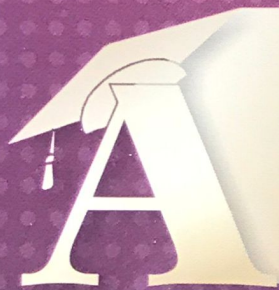
Functional English V

Manual 5

Contents		Pg. No.
1)	Greeting and Introduction	1 - 3
2)	Welcoming visitors	4 - 5
3)	Films & Movie	6 - 9
4)	Talking about Sport & Leisure	10 - 12
5)	Narrating Stories	13 - 23
6)	Mad Ads	24 - 27
7)	Creative & Content Writing	28 - 36
8)	Letter / E-Mail Writing	37 - 44
9)	Handling High Pressure situations	45 - 46
10)	Responding in impromptu situations	47 - 49
11)	Swot Analysis	50 - 56
12)	Politics & Nations	57 - 64
13)	Economics	65 - 68
14)	Business & Success Stories	69 - 80
15)	Creativity	81 - 90
16)	Technology with Jargons	91 - 104
17)	Theatre	105 - 115
18)	Self Assessment	116 - 118



ADCC
Academy



Functional English I

Manual 1

Contents	Page
1. Greetings and Introduction	1 - 3
2. Welcoming Visitors	4 - 5
3. Offer, Request, Apology, Gratitude	6 - 10
4. Telephone Etiquette	11 - 12
5. Family Vocabulary	13 - 17
6. Habits and Routines	18 - 20
7. Talking about Past	21 - 25
8. Wishes and Future Plans	26 - 29
9. Describing Food Places and People	30 - 31
10. Describing appearance and physical trait	32 - 32
11. Describing self and people	33 - 36
12. Telling Directions	37 - 42
13. Job and occupation	43 - 47
14. Film and Movies	48 - 51
15. Talking about sports and leisure	52 - 54
16. Business Writing	55 - 65
17. Making Appointments	66 - 68
18. Interaction at Bank and Hospitals	69 - 71
19. Festivals and Celebrations	72 - 74
20. Talking about likes and Dislikes	75 - 77
21. Idioms, Phrases and Quotes	78 - 82
22. Narrating Stories	83 - 92



ADCC
Academy



Advanced Get Set GO

ADVANCED GET SET GO

MEGHE FINISHING SCHOOL

Participant Manual



Program Focus

Increase Self Confidence

Get Self-direction

Attain Attitude control

Effective Communication

Maintain Professional image

“Practice means to perform, over and over again in the face of all obstacles, some act of vision, of faith, of desire. Practice is a means of inviting the perfection desired.”

Martha Graham



GET SET GO...

HESSIE FINISHING SCHOOL

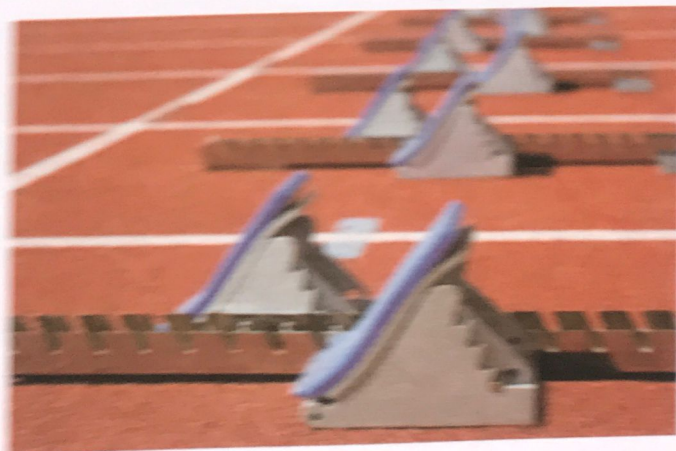
Participant Manual



Get.....Ready

Set.....Goals

Go.....with confidence



Program Focus

Increase Self Confidence

Improve Interpersonal Skills

Impactful Communication

Inculcate Leadership Skills

Immersing Positive Attitude

Twenty years from now you will be more disappointed by the things that you didn't do than by the ones you did do. So throw off the bowlines. Sail away from the safe harbour. Catch the trade winds in your sails. Explore. Dream. Discover.

-Mark Twain



DATA INTERPRETATION & LOGICAL REASONING

Course Material for Aptitude Development

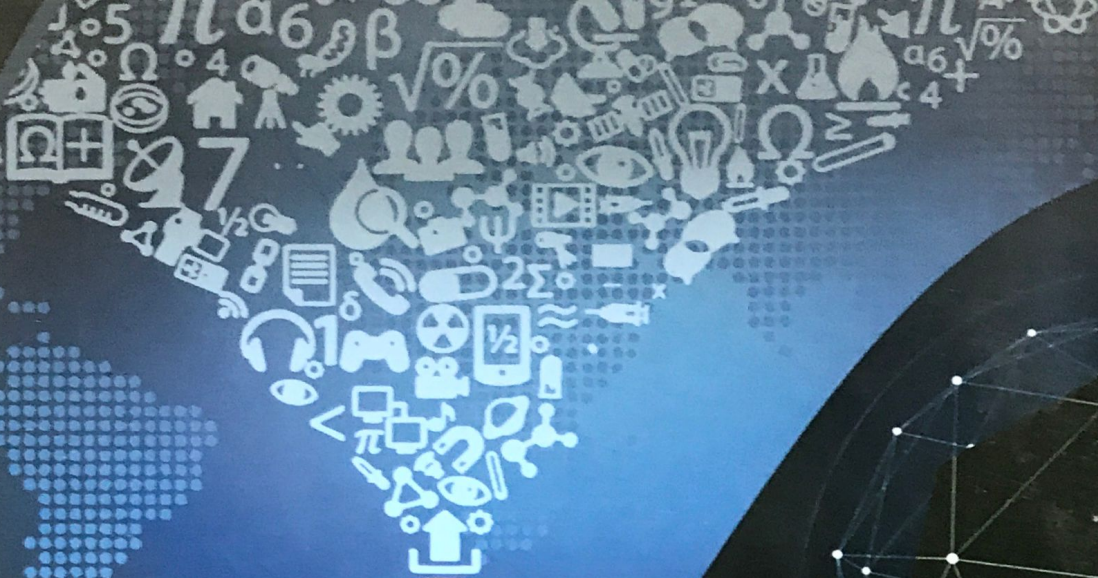
CONTENTS

<u>Sr. No.</u>	<u>CHAPTER NAME</u>	<u>Pg. No.</u>
1.	ORIENTATION TO DATA INTERPRETATION	01
2.	ORIENTATION TO LOGICAL REASONING	14
3.	DI-LINE GRAPH AND PIE CHART	28
4.	LR-DATA ARRANGEMENT & LOGICAL PUZZLES	35
5.	BAR GRAPHS & TABLES	50
6.	LR-DIRECTION, SYLLOGISMS & BLOOD RELATIONS	59
7.	LR-MISCELLANEOUS	82
8.	LR-VENN DIAGRAM, MATHEMATICAL OPERATIONS & CODING DECODING	97
9.	DATA SUFFICIENCY	106
10.	LR-CUBES & NUMBER SERIES	123
11.	SELECTION DECISION TABLE	141
12.	VERBAL ANALOGY	171
13.	DILR PRACTICE TESTS	210



ADCC
Academy

EMPOWERING STUDENTS FOR BETTER FUTURE



QUANTITATIVE APTITUDE

Course Material for Aptitude Development

CONTENTS

1)	Introduction to Vedic Mathematics	01
2)	Introduction to Number System	19
3)	Advanced Number System	39
4)	Averages, Percentages & Interest	72
5)	Ratio, Proportion, Variation and Mixture	90
6)	Profit & Loss, Discount and Partnership	137
7)	Work & Time and Pipes & Cisterns	159
8)	Time, Speed & Distance	181
9)	Geometry-Lines, Angles & Triangles	206
10)	Mensuration 2D & 3D	224
11)	Progressions	275
12)	Permutations & Combinations	300
13)	Probability	316
14)	Calendars	336
15)	Quantitative Test 1 & Analysis	347
16)	Quantitative Test 2 & Analysis	357
17)	Quantitative Test 3 1 & Analysis	371