

Summary Report of CNC Course

Year 2020-21

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Course outline/ Syllabus

SYLLABUS

1. **Lathe Machine Introduction**
 - Lathe components
 - Lathe operations
2. **Introduction of CNC**
 - Numerical control
 - Functions of a machine tool
 - Concept of numerical control
 - Historical Development
 - Definition
 - Advantages of CNC machine tools
 - Evolution of CNC
 - Advantages of CNC
 - Limitations of CNC
 - Features of CNC
 - The Machine Control Unit (MCU) for CNC
 - Classification of CNC Machine Tools
 - CNC MACHINING CENTERS
3. **CNC Milling- Basic**
 - Fundamentals of CNC milling
 - Familiarization of control panel
 - Fundamentals of CNC programming
 - Part programming techniques
4. **Operations And Programming concepts**
 - Operations on CNC
 - G Codes
 - M Codes
5. **Tools & technology used**
 - Automatic tool changers
 - The machine control unit
 - Motion control
 - Coordinate systems
 - Positioning systems

C.D.C. ठराव क्र. 02 दि. 23.07.2021

शुक्रा किशोरराव शिंदे
अध्यक्ष

महाविद्यालय विकास समिती
सहकार महर्षी स्व.भास्करराव शिंगणे
कला महाविद्यालय खामगांव

10/07/2021

Name of the course and Brochure

Sahakar Maharshi Late Bhaskarrao Shingne Arts College,
Khamgaon, Dist. Buldana

Department of Home Economics

Online Certificate Course On

"INTRODUCTION TO CNC"

Features

- JOB ORIENTED COURSE
- Information Of CNC
- Information Of Programming in CNC

First Serve Basis Duration: 30 Hrs.

Contacts: Mr. Kuldeep N. Tathod

**Address - Sahakar Maharshi Late Bhaskarrao Shingne Arts College, Khamgaon, Dist. Buldana
444303**

Authority Approval Letter

Sahakar Maharshi Late Bhaskarrao Shingne Smruti Arogaya & Shikshan Prasarak Mandal, Khamgaon
Sahakar Maharshi Late Bhaskarrao Shingne Arts College,
Khamgaon, Dist- Buldana (M.S.)

Affiliated to Sant Gadge Baba Amravati University, Amravati

College Code:-334

12(B) Dated 11 June 2012

2 (f) Dated 20 Oct 2011

Permanent Affiliation – L.NoSGBAU/8/C-300/2012

Dated 22 Feb 2012, NAAC Accredited 'C' grade

Website:-www.smbcoll.com

email: - smbartscoll@rediffmail.com

Mobile No.9552619216

ISO 9001: 2015 Certified

True Copy of the Resolution No. 02 of the College Development Committee meeting
dated 23/07/2021

Subject no. 02: Regarding approval for Add on / certificate course/ Value added courses

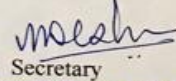
Resolution no.02: The subject of granting permission for the applications received for starting Add on / certificate course/ Value added courses and the attached syllabi was discussed by the members of the committee. The application forms received on 23/07/2021 were discussed in the meeting and the committee unanimously decided to grant approval to the following add on / certificate courses for the benefit of students:

Introduction of CNC

Resolution passed unanimously.

Proposed by: Dr. N. D. Deshmukh

Seconded by: Dr. H. P. Yeole



Secretary

महाविद्यालय विकास समिती
सहकार महर्षी स्व.भास्करराव शिंगणे
कला महाविद्यालय खामगांव

Names of students Enrolled

SAHAKAR MAHARSHI LATE BHASKARRAO SHINGNE ARTS COLLEGE, KHAMGAON
Students List Enrolled for Certificate course of Introduction to CNC

Sr. No.	Name of Students	Class	Semester	E-mail ID	Mobile No.
1	JAYESH ARJUN JOGI	B.Voc. (Engine Testing)	Semester IV	jayesh2000ak47@gmail.com	8805103019
2	LAHUDKAR ABHISHEK PANDURANG	B.Voc. (Farm Equipment & Machinery)	Semester VI	abhilahudkar1344@gmail.com	9518512151
3	Piyush Suresh Patekhede	B.Voc. (Farm Equipment & Machinery)	Semester IV	piyushpatil123dp@gmail.com	7219025537
4	Suhas Mohan Andhare	B.Voc. (Automobile)	Semester II	andhariesuhas573@gmail.com	8698208291
5	Ambhore aniket sahebrao	B.Voc. (Vehicle Testing)	Semester VI	ambhoreaniket71@gmail.com	8308024978
6	Syed Owais Syed Yunus	B.Voc. (Vehicle Testing)	Semester IV	Syedowais353@gmail.com	8177896889
7	Bhagvat Haridas Khedkar	B.Voc. (Vehicle Testing)	Semester VI	Khedkarbhagwat7@gmail.com	9730079505
8	Syed usama syed hakim	B.Voc. (Vehicle Testing)	Semester IV	usyed4737@gmail.com	7058434421
9	Gaurav Chango Hole	B.Voc. (Engine Testing)	Semester II	holegaurav1@gamil.com	9175223031
10	Roshan Prabhakar Wankhede	B.Voc. (Engine Testing)	Semester IV	rpw06121999@gmail.com	9766901997
11	Gaurav Shaligram Lahudkar	B.Voc. (Vehicle Testing)	Semester VI	gauravlahudkar23@gmail.com	8390325864
12	Sarnaik yogesh keshavrao	B.Voc. (Automobile)	Semester II	Yogeshsarnaik60@gmail.com	7776863138
13	Govind prabhu hiralkar	B.Voc. (Automobile)	Semester II	govindhiralkar@gmail.com	9552346702
14	Vitthal Pramod Wagh	B.Voc. (Farm Equipment & Machinery)	Semester IV	waghv9651@gmail.com	9552007127
15	Pavan santosh sonone	B.Voc. (Vehicle Testing)	Semester II	pavansonone25gmail.com	7499904511
16	Vaibhav Rameshwar Jaware	B.Voc. (Automobile)	Semester II	vrjaware2@gmail.com	9022447223
17	Ramsingh Rajendrasingh Rajput	B.Voc. (Engine Testing)	Semester IV	rajputramsingh780@gmail.com	9307808129
18	Gopal Gajanan Thorgan	B.Voc. (Vehicle Testing)	Semester IV	Gopalthorgan01@gmail.com	8459328151
19	Aniket Amadas Girhe	B.Voc. (Engine Testing)	Semester IV	aniketgirhe5555@gmail.com	9373114922
20	Vishal Kailas Jadhav	B.Voc. (Vehicle Testing)	Semester IV	vishalkjadhav201@gmail.com	9168556917
21	Pravin Vishnu Ghanokar	B.Voc. (Engine Testing)	Semester II	ghanokarpravin@gmail.com	9823399089

Principal
Principal
 Sahakar Maharshi
 Late Bhaskarrao Shingne Arts
 College, Khamgaon Dist. Buldana
 La. College

Kuldeep
 — Kuldeep Nandkishor Tathod.
 — 8975253586.
 — kuldiptathod@gmail.com

Certificate



**SAHAKAR MAHARSHI LATE BHASKARRAO
SHINGNE ARTS COLLEGE, KHAMGAON
DIST.BULDANA, MAHARASHTRA**



CERTIFICATE

This certificate declares that **Mr. piyush patekhede**, student of **B.Voc. (Farm Equipment & Machinery) Semester IV** has completed online workshop (Duration 30 Hrs) on **Introduction to CNC** with a score of **96%**.

Kuldeep Tathod

Professor

Yogesh Ugale

Professor

Dr. Nilima Deshmukh

Principal

Made for free with Certify'em



**SAHAKAR MAHARSHI LATE BHASKARRAO
SHINGNE ARTS COLLEGE, KHAMGAON
DIST.BULDANA, MAHARASHTRA**



CERTIFICATE

This certificate declares that **Mr. Vaibhav Rameshwar Jaware**, student of **B.Voc. (Automobile) Semester II** has completed online workshop (Duration 30 Hrs) on **Introduction to CNC** with a score of **100%**.

Kuldeep Tathod

Professor

Yogesh Ugale

Professor

Dr. Nilima Deshmukh

Principal

Made for free with Certify'em

Any Other Relevant Documents

Course Link ----

https://docs.google.com/forms/d/e/1FAIpQLSfhf0Lr1_BYGVznU_Dgwkv1kmVGF4uuJLGkKuZeLeVz2iXo2A/viewform?usp=sharing

SAHAKAR MAHARSHI LATE BHASKARRAO SHINGNE ARTS COLLEGE, KHAMGAON
List of Students passed in Certificate course of Introduction to CNC

rpw06121999@gmail.com	Roshan Prabhakar Wankhede	B.Voc. (Engine Testing)	Semester IV	46	92.00%	TRUE	FMD9MY-CE000007
khedkarbhagawat7@gmail.com	Bhagvat Haridas Khedkar	B.Voc. (Vehicle Testing)	Semester VI	50	100.00%	TRUE	FMD9MY-CE000008
holegaurav1@gmail.com	Gaurav chango hole	B.Voc. (Automobile)	Semester II	48	96.00%	TRUE	FMD9MY-CE000009
jayesh2000ak47@gmail.com	Jayesh Arjun Jogi	B.Voc. (Engine Testing)	Semester IV	50	100.00%	TRUE	FMD9MY-CE000010
yogeshsarnaik60@gmail.com	Yogesh keshavrao sarnaik	B.Voc. (Automobile)	Semester II	50	100.00%	TRUE	FMD9MY-CE000011
govindhiralkar@gmail.com	Govind prabhu hiralkar	B.Voc. (Automobile)	Semester II	50	100.00%	TRUE	FMD9MY-CE000012
rajputramsingh780@gmail.com	Ramsingh Rajedrasingh Rajput	B.Voc. (Engine Testing)	Semester IV	50	100.00%	TRUE	FMD9MY-CE000013
gauravlahudkar23@gmail.com	Gaurav shaligram lahudkar	B.Voc. (Vehicle Testing)	Semester VI	44	88.00%	TRUE	FMD9MY-CE000014
ssonone7971@gmail.com	Pavan santosh sonone	B.Voc. (Automobile)	Semester II	42	84.00%	TRUE	FMD9MY-CE000015
usyed4737@gmail.com	Syed Usama Syed hakim	B.Voc. (Vehicle Testing)	Semester IV	48	96.00%	TRUE	FMD9MY-CE000016
syedowais353@gmail.com	Syed Owais Syed Yunus	B.Voc. (Vehicle Testing)	Semester IV	50	100.00%	TRUE	FMD9MY-CE000017
aniketgirhe5555@gmail.com	Aniket Ambadas Girhe	B.Voc. (Engine Testing)	Semester IV	46	92.00%	TRUE	FMD9MY-CE000018
abhilahudkar1344@gmail.com	Abhishek Pandurang Lahudkar	B.Voc. (Farm Equipment & Machinery)	Semester VI	50	100.00%	TRUE	FMD9MY-CE000019
gopalthorgan01@gmail.com	Gopal gajanan thorgan	B.Voc. (Vehicle Testing)	Semester VI	48	96.00%	TRUE	FMD9MY-CE000020
vrjaware2@gmail.com	Vaibhav Rameshwar Jaware	B.Voc. (Automobile)	Semester II	50	100.00%	TRUE	FMD9MY-CE000021
ambhoreaniket71@gmail.com	aniket sahebrao ambhore	B.Voc. (Vehicle Testing)	Semester VI	50	100.00%	TRUE	FMD9MY-CE000022
andharesahas573@gmail.com	Suhas Mohan Andhare	B.Voc. (Automobile)	Semester II	40	80.00%	TRUE	FMD9MY-CE000023
vishalkjadhav2001@gmail.com	Vishal kailas jadhav	B.Voc. (Vehicle Testing)	Semester II	50	100.00%	TRUE	FMD9MY-CE000024
ghanokarpravin@gmail.com	Pravin Vishnu ghanokar	B.Voc. (Engine Testing)	Semester II	44	88.00%	TRUE	FMD9MY-CE000025
piyushpatil123dp@gmail.com	Piyush patekhede	B.Voc. (Farm Equipment & Machinery)	Semester IV	48	96.00%	TRUE	FMD9MY-CE000026
wasthy651@gmail.com	Vitthal pramod wagh	B.Voc. (Farm Equipment & Machinery)	Semester IV	38			

Principal
Sahakar Maharashtra
Shingne Arts
Khamgaon Dist. Buldana

Kuldeep N. Tathud