



Guru Gobind Singh Foundation's

## Guru Gobind Singh College Of Engineering & Research Centre

(Approved by AICTE, Govt. of Maharashtra & DTE Mumbai, Affiliated to Savitribai Phule Pune University)

DNV - GL - Certified for ISO 9001 : 2015 Standards

Khalsa Educational Complex, Guru Gobind Singh Marg, Wadala - Pethardi Road, Indira Nagar Annexo, Nashik -9.  
Ph. : 0253 2372766, 2372666, 7768004581/82. Email : gcoerc.nashik@ggsf.edu.in, Website : www.ggsf.edu.in

### MEMORANDUM OF UNDERSTANDING (MOU)

Between

**GURU GOBIND SINGH FOUNDATION'S**

**GURU GOBIND SINGH COLLEGE OF ENGINEERING & RESEARCH CENTRE, NASHIK**

**Department of Mechanical Engineering**

**(Party A)**

**And**

**Invensys CAD Solutions (iCAD), Nashik**

**(Party B)**

This is an agreement between "Party A" here in after called Department of Mechanical Engineering GCOERC Nashik and "Party B" Invensys CAD Solutions (iCAD), Nashik to promote and enhance institute-industry partnership.

1. As per the MOU Invensys CAD Solutions (iCAD), Nashik will help the institute by granting and permission for,
  - A. Institute visit of students
  - B. Sponsorship for projects of students
  - C. Guest lecture /Training/workshop for students /staff at the institute.
  - D. Exploring the possibilities of placing the suitable students.
  - E. Organise the technical events.
  - F. Software training support.
2. Department of Mechanical Engineering GCOERC Nashik
  - A. Consultancy to industry
  - B. Technical lectures/training/workshop for the up gradation of industry staff.
  - C. Suggestions of improvement in the problem areas through project work to be undertaken by the staff/students.

The period of this MOU shall be of 02 years effective from 10/03/2018 to 09/03/2020

Date : 07/03/2018

Place : Nashik

Dr. Neelkanth G. Nikam

Principal

Guru Gobind Singh College  
of Engineering & Research Centre, Nashik



Invensys CAD Solutions  
(iCAD), Nashik



# GURU GOBIND SINGH FOUNDATION'S

Guru Gobind Singh College of Engineering and Research Centre, Nashik


Khalsa Educational complex, Guru Gobind Singh Marg, (Wadala Pathardi Road), Nashik - 422009

DATE: 14-07-2020

## Notice

All the students are hereby informed that the online webinar titled "Digital Transformation in Industry 4.0" is arranged on 17-07-2020 by Department of Mechanical Engineering in association with "ISTE (Indian Society for Technical Education)".

The program link and timing will be conveyed on what's app group.

  
Prof. Dr. C.D. Mohod  
HOD



## GURU GOBINDSINGH FOUNDATION'S

Guru Gobind Singh College of Engineering and Research Centre, Nashik  
Khalid Educational Complex, Guru Gobind Singh Marg, (Muleba) Pethan Road, Nashik-422001  
Approved by AICTE, Govt. of Maharashtra and DTE, Maharashtra State

Date : 10-07-2020

To,  
Mr. Anil Pagar  
Owner, Invenys CAD Solution

Sub. - Letter of invitation for guest lecture

Dear Sir,  
Greetings of the day !!

We would like to invite you for conducting a guest lecture on the topic 'Digital Transformation in Industry 4.0' in Guru Gobind Singh College of Engineering and Research Centre, Nashik for our Mechanical Engineering students. The session will be very useful for our students and staff.

Kindly convey your availability on 17-07-2020.

Thanking you,

Yours truly,

Dr. C.D. Mohod  
HOD  
(Mech Engg Dept)

Received.  
A.Pagar



## GURU GOBINDSINGH FOUNDATION'S

Guru Gobind Singh College of Engineering and Research Centre, Nashik  
Khalsa Educational Complex, Guru Gobind Singh Marg, (Wadala Pathardi Road), Nashik-422009  
Approved by AICTE, Govt. of Maharashtra and DTE, Maharashtra State

Date: 19-07-2020

To,  
Mr. Anil Pagar  
Owner, Invensys CAD Solution

Subject: Letter of appreciation

Dear Sir/madam,

We would like to take this opportunity to thank you for conducting a webinar on '**Digital Transformation in Industry 4.0**', for our Mechanical Engineering students, organized on 17-07-2020. The session was a great success and was appreciated by our participating students.

Thank you and regards.

Prof. Dr. C. D. Mohod

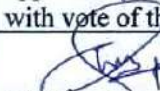

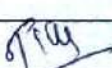

HOD Mechanical

Anil Pagar

# Guru Gobind Singh College of Engineering and Research Centre, Nashik

## Program Report

### Mechanical Engineering Department

Title of Program	Digital Transformation in Industry 4.0
Objective of Program	To make student aware about the industry 4.0 technologies and job opportunity in near future.
Name of Resource Person	Mr. Anil Pagar
Resource Person Post and Organization	Owner, Invensys CAD Solution
Date and Time of Program	17/07/2020 - 2.30 pm
Venue	Online (Google meet)
Organised By	Department of Mechanical Engineering in association with ISTE
Program In-Charge	Mr. S.S.Patil /Mr. P. P. Kudale
Target Student	Mechanical (SE, TE, BE)
No of Students Present	78
Program Approved by Principal/HOD	HOD
Supporting Staff Member	Mr. S.S.Patil /Mr. P. P. Kudale
Photograph/Video Available	Yes
Nature of Photo Submission (Soft/Hard) & To whom	Soft
Brief about the Program (Activity/Event)	Program inaugurated by Mr. Pritam Kudale followed by a interactive session delivered by Mr. Anil Pagar. He covered the various topics such as Augmented Reality, IoT, Artificial Intelligence and opportunity in job related to Industry 4.0. Program is been concluded with vote of thanks given by Mr. S. S. Patil.
Name and Sign of Program In charge	 Mr. S.S.Patil /Mr. P. P. Kudale
Signature of HOD	
Signature of Vice Principal	
Signature of Principal	
Remark if Any (for office use)	

- List of Enl:-
1. Photographs of the program.
  2. Attendance of the students.
  3. Letter of Appreciation (If available)

Program Report



Webinar on Digital Transformation in Industry 4.0 (2020-07-17 at 02:09 GMT-7)



*[Handwritten signature]*

# Guru Gobind Singh College of Engineering and Research Centre, Nashik

## Program Report

7/17/2020 14:54:45	7/17/2020 15:22:52
<a href="https://meet.google.com/kjy-bmpk-ukg?authuser=1">https://meet.google.com/kjy-bmpk-ukg?authuser=1</a>	<a href="https://meet.google.com/kjy-bmpk-ukg?authuser=1">https://meet.google.com/kjy-bmpk-ukg?authuser=1</a>
Pritam kudale	Pritam kudale
Abhishek Jadhav	Achal Patil
Achal Patil	AKSHAY DAUND
AKSHAY DAUND	Akshay Kanojia
Akshay Kanojia	Altamash Ali Sayyed
Altamash Ali Sayyed	Amey Halakatti
Amey Halakatti	Amol Jagtap
Amit Thorat	Anuj Kapoor
Amit Yadav	Arpita Purne
Amol Jagtap	bhagyashri bauskar
Anuj Kapoor	Bhargav Pande
Arpita Purne	Shubham Ekhande
bhagyashri bauskar	Siddhesh Saraf
Sarvesh More	Somesh Bhor
shivu jamshete	Sonal Mandale
shreya jagtap	Suyash Sonawane
SHUBHAM DEORE	TuShaR Bhavsar
Shubham Ekhande	Uday Patil
Shubham Jadhav	Ujjwal Diwane
Somesh Bhor	Utkarsh Shukla
Sonal Mandale	Vishnu Nair
TuShaR Bhavsar	Yatish Salve
Uday Patil	Yogendra Fegade
Ujjwal Diwane	Sanyukta Khairnar
Vishnu Nair	Saqib Shaikh
Yatish Salve	Sarvesh Kulkarni
Yogendra Fegade	Sarvesh More
Yogesh Shirsath	Saurabh Gawli
Sahil Kumbhejkar	shivu jamshete
sandip patil	shreya jagtap
SANJYOT PATIL	Sahil Kumbhejkar
Sanket Khairnar	sandip patil
Sarvesh Kulkarni	Sanket Khairnar
Rushikesh Lokhande	Raja Thakur
rutika sonawane	Rohit Badgujar
Sagar More	rutika sonawane
Sagar More	Sagar More
Pravin Nagargoje	Sagar More
Pritam kudale	pranav shelke
Pushkar Aware	Pranav Torane
Raja Thakur	Pratik Bandhkar
Rohit Badgujar	Pushkar Aware
pranav shelke	Parth Sonawane

# Guru Gobind Singh College of Engineering and Research Centre, Nashik

## Program Report

Pranav Torane	Piyush adhangle
Prathamesh porje	Pooja Sonawane
Pratik Bandhkar	Prafful Waghmare
Parth Sonawane	Pragati Gaje
Pooja Sonawane	Nikhil Kothawade
Pragati Gaje	Nitin Patil
Mrunali Dupare	Omkar Gawali
Niraj Kadam	omkar nikam
Nitin Patil	khan mushahid
Omkar Ahirrao	Manas Yawalkar
Omkar Gawali	Manoj Gavali
omkar nikam	Milind Morje
Manoj Gavali	Mohit Jangra
Milind Morje	Jasmeer Singh
Mohit Jangra	Jayesh Nikam
Jasmeer Singh	Kapil More
Jayesh Nikam	Kaustubh Choudhary
Kapil More	Harshraj Patil
Kaustubh Choudhary	Hemant Singh
khan mushahid	Hrishikesh Narale
Manas Yawalkar	InvensysCAD Solutions
InvensysCAD Solutions	InvensysCAD Solutions
InvensysCAD Solutions	Gaurav Saindane
JANHAVEE CHAVAN	Gautami Ratnaparkhi
Gautami Ratnaparkhi	gayatri dusane
gayatri dusane	Gurdeep Singh
Gurdeep Singh	BUDDHABHUSHAN WAGHMARE
Harshraj Patil	Dhanraj Chavan
Hemant Singh	
Hrishikesh Narale	
Dhanraj Chavan	
Dipesh Bhowmick	
Gaurav Saindane	
Bhargav Pande	
BUDDHABHUSHAN WAGHMARE	





### About Event

In this program an online webinar is conducted based on Digital Transformation in Industry 4.0. Digital transformation only makes sense if it supports an organisation's overall strategy. Smart models of manufacturing and business are being created through collaborative and self-aware machines and processes. This has a direct impact on competitiveness and the quality of goods and services.

**Date:** 17/07/2020

**Venue:** Online (Google meet)

**Google Link:** <https://meet.google.com/kjy-bmpk-ukg?authuser=1>

### Patron

**S. Gurdev Singh Birdi**

Chairman, Guru Gobind Singh Foundation, Nashik

**S. Harjit Singh Anand**

St. Vice-President, Guru Gobind Singh Foundation, Nashik

**S. Balbir Singh Chhabra**

Secretary, Guru Gobind Singh Foundation, Nashik

**S. Permindur Singh**

C.E.O, Guru Gobind Singh Foundation, Nashik

### Convener

**Dr. N. G. Nikam**

Principal, GCOERC, Nashik

**Dr. S. D. Kalpande**

Vice-Principal & Academic Dean, GCOERC, Nashik

**Dr. C. D. Mohod**

Head, Mechanical Engineering Department, GCOERC, Nashik

### Co-ordinator

**Mr. S.S.Patil**

Asst. Professor, Mechanical Engineering Department, GCOERC, Nashik

**Mr. P. P. Kudale**

Asst. Professor, Mechanical Engineering Department, GCOERC, Nashik

# Online webinar on "Digital Transformation in Industry 4.0"

**Date:** 17/07/2020

Organized by

Guru Gobind Singh Foundation's

**Guru Gobind Singh College of Engineering  
and Research Centre, Nashik**  
Department of Mechanical Engineering



**ESTD. : 2013**

In association with

**ISTE (Indian Society for Technical Education)**



From a small seed sown, 4 decades ago the institution has risen to a big tree, all through relentless efforts of its founders members, qualified faculties and students, who have left no stone unturned to bring laurels, trophies and citations in the field of education.

With humble beginnings in 1978, Guru Gobind Singh Foundation was formed by prominent and illustrious Sikh residents of Nasik, as worthy followers of the great saint soldier "Guru Gobind Singh". The foundation set upon itself the aim of imparting high quality education with culture activities, ethics and social commitment to students.

Located in 12 acres Guru Gobind Singh Foundation houses 3 Institutes, Guru Gobind Singh Public School, Guru Gobind Singh Polytechnic and Guru Gobind Singh College of Engineering & Research Centre with Ultra-Modern Infrastructure and Green Campuses.

All Institutes are equipped with state and art Laboratories for Students to the pursuit of educational and creative activities for overall development of the personality.

Education at GGSF has never been a business venture, but a noble profession. We believe that dedication, hard work and professionalism invariably produce positive results.

Guru Gobind Singh College of Engineering and Research Centre, Nashik is one of the best upcoming technical institutions under the Savitribai Phule Pune University, Pune offering four years degree courses in Civil, Computer, Mechanical and Electrical Engineering incepted by the foundation in the year 2013-14. It has very strong Industry Institute Partnership Cell for skilling the students on various value addition courses in association with industries like Siemens India and Bosch.

## DEPARTMENT OF MECHANICAL ENGINEERING

Mechanical Engineering is a discipline of Engineering that applies the principles of science and materials science for analysis, design, manufacturing, and maintenance of mechanical systems. Mechanical Engineers are employed as supervisors, Maintenance Engineers, Service Engineers, Production Engineers, Inspection Engineers, and Quality Control Engineers, Administrative officers, Software developers etc. The mechanical Engineering branch has specialization like Production, Automobiles, Refrigeration and Air-Conditioning, Thermodynamics, Computer Applicable on (CAD / CAM), CNC etc. In every Industry because of multidimensional approach of work, Mechanical Engineers are always in demand and are well paid.

### Vision:

Mechanical Engineering Program strives for excellence in value based Quality Technical Education and Research environment with Entrepreneurship and Sustainable development approach to satisfy industrial and social needs.

### Mission:

- To transform aspiring Mechanical engineers through course work and industrial exposure.
- To establish academia-industry partnership, work on various projects, and develop new products, services and patents.
- To develop quality mechanical engineering undergraduate to accept societal challenges.
- To enhance commitment of the professionalism among faculty, staff and students by inculcating team work.

### Programme Educational Objectives:

- PEO 1: An ability to practice as skilled technocrats to cater the needs of Industries.
- PEO 2: An ability to pursue higher studies and to work in research and development, with innovative efforts for professional careers.
- PEO 3: An ability to express an attitude with responsible, professional and ethical manner to address social and technical challenges through lifelong learning.
- PEO 4: An ability to work as leaders that supports service, economic and sustainable development with high human and ethical values.

**Guru Gobind Singh College of Engineering & Research Center**  
**Department of Mechanical Engineering**  
**Digital Transformation in Industry 4.0**

Date:17/07/2020

Timestamp	Sr. No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
7-17-2020 17:31:58	1	2	0	0	0	3	0	0	0	0	0	0	0	2	3
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7-17-2020 19:18:34	47	1	0	0	0	3	0	0	0	0	0	0	0	3	3
7-17-2020 19:18:34	48	3	0	0	0	2	0	0	0	0	0	0	0	3	3
7-17-2020 19:18:34	49	2	0	0	0	3	0	0	0	0	0	0	0	2	2
7-17-2020 19:18:34	50	3	0	0	0	1	0	0	0	0	0	0	0	3	3
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		2.55	0	0	0	2.61	0	0	0	0	0	0	0	0	0



Head  
 Department of Mechanical Engineering  
 2.5303, 2.5909  
 Guru Gobind Singh College of  
 Engineering and Research Centre, Nashik

Ref: ICAD/NSK/Internship/08

Date: 31/01/2022

**TO WHOM IT MAY CONCERN**

This is to certify that **Mr. Yadnesh Ramdas Malunjkar**, student of Guru Gobind Singh College of Engg.& Research Centre, Department of Mechanical Engineering has completed 01 month Internship at InvensysCAD Solutions from 29/12/2021 to 29/01/2022.

His Internship activities include handling the Design projects using design software like Creo and BricsCAD. This experience will be exceptionally helpful for him in his Industrial career and exploring vast opportunities.

**For InvensysCAD Solutions**  
**Susheel S.Pote****Education Head**

Ref: ICAD/NSK/Internship/09

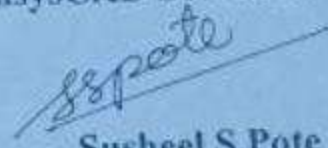
Date: 31/01/2022

**TO WHOM IT MAY CONCERN**

This is to certify that Miss. Shreya Nishant Wishwakarma , student of Guru Gobind Singh College of Engg.& Research Centre, Department of Mechanical Engineering has completed 01 month Internship at InvensysCAD Solutions from 29/12/2021 to 29/01/2022.

Her Internship activities include handling the Design projects using design software like Creo and Mathcad. This experience will be exceptionally helpful for her in developing career in Industry and exploring vast opportunities.

For InvensysCAD Solutions



Susheel S.Pote

Education Head





# GURU GOBIND SINGH FOUNDATION'S

Guru Gobind Singh College of Engineering and Research Centre, Nashik


Khalsa Educational complex. Guru Gobind Singh Marg. (Wadala Pathardi Road). Nashik - 422009

DATE: 18-09-2020

## Notice

All the students are hereby informed that the online webinar titled "PTC CREO" is arranged on 22-09-2020 to 26-09-2020 by Department of Mechanical Engineering in association with "IEI (Institution of Engineers India)".

The program link and timing will be conveyed on what's app group.

  
Prof. Dr. C.D. Mohod  
HOD



# GURU GOBINDSINGH FOUNDATION'S

Guru Gobind Singh College of Engineering and Research Centre, Nashik  
Khalsa Educational Complex, Guru Gobind Singh Marg, (Wadala Pathardi Road), Nashik-422009  
Approved by AICTE, Govt. of Maharashtra and DTE, Maharashtra State

Date : 11-09-2020

To,  
Mr. Harshad Gangurde

Sub. – Letter of invitation for guest lecture

Dear Sir,  
Greetings of the day !!

We would like to invite you for conducting a guest lecture on the topic 'PTC CREO workshop' in Guru Gobind Singh College of Engineering and Research Centre, Nashik for our Mechanical Engineering students. The session will be very useful for our students and staff.

Kindly convey your availability on 22 to 26-09-2020.

Thanking you,

Yours truly,

Dr. C.D. Mohod  
HOD  
(Mech Engg Dept)

Received:  
Harshad Gangurde



## GURU GOBINDSINGH FOUNDATION'S

Guru Gobind Singh College of Engineering and Research Centre, Nashik  
Khalsa Educational Complex, Guru Gobind Singh Marg, (Wadala Pathardi Road), Nashik-422009  
Approved by AICTE, Govt. of Maharashtra and DTE, Maharashtra State

Date: 22 to 26-09-2020

To,  
Mr. Harshad Gangurde

Subject: Letter of appreciation

Dear Sir/madam,

We would like to take this opportunity to thank you for conducting a webinar on 'PTC CREO workshop', for our Mechanical Engineering students, organized on 22 to 26-09-2020. The session was a great success and was appreciated by our participating students.

Thank you and regards.

Prof. Dr. C. D. Mohod



HOD Mechanical

Received,  
J. Gangurde



**Guru Gobind Singh College of Engineering and Research Centre, Nashik**

**Program Report**

Title of Program	PTC Creo Workshop
Objective of Program	To make student fluent in PTC Creo
Date of Program	22 Sep- 26 Sep, 2020
Venue	Online Google Meet
Organised By	Department of Mechanical Engineering
Program In-Charge	Mr. D. P. Chavan
Target Students:	Open to All
No of students:	219
Program Approved by Principal/HOD	Dr. C. D. Mohod
Name of Resource Person	Mr. Harshad Gangurde
Supporting Staff Member	Mr. P.P. Kudale
Vote of Thanks Presented By	Mr. P. P. Kudale
Photograph/Video Available	Yes
Nature of Photo Submission (Soft/Hard) & To whom	NA
Brief about the Program (Activity/Event)	The program was organized by the Mechanical Engineering Department to enhance the practical skill in Creo 3.0. Also with this workshop participants get the benefits to easily blend with the advances with PTC Creo that are in use by the Industry.
Name and Sign of Program Incharge	Mr. D. P. Chavan 
Signature of HOD	
Signature of principal	
Remark if Any (for office use)	



Guru Gobind Singh Foundation's

**Guru Gobind Singh College of Engineering & Research Centre**

(Approved by AICTE, Govt of Maharashtra & DTE Affiliated to Savitribai Phule Pune University)

NAAC Accreditation first Cycle "B+" with CGPA 2.72 in April 2019, DNV –GL Certified for ISO 9001:2015



# CERTIFICATE OF COMPLETION

This Certificate Declares that

Mr./Miss. {{ Full Name }},

with Certificate No. {{ Certificate ID }}

~~Has~~ **Successfully completed**

"A 5-Day Online Workshop on PTC CREO" from 22<sup>nd</sup> - 26<sup>th</sup> Sep, 2020

**Organized by**

Department of Mechanical Engineering

Guru Gobind Singh College of Engineering and Research Center, Nashik

**In Association with**

"IEI (Institution of Engineers India)"

**Dr. Chandrashekhar D. Mohod**  
HoD, Mechanical, GCOERC

**Dr. Neelkantha G. Nikam**  
Principal, GCOERC

**Mr. Permindur Singh**  
CEO, Guru Gobind Singh Foundation

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*Sub  
Structure*

### **About Event**

In this program an online webinar is conducted on Futuristic Trends in Vehicles by Bosch, where participants come to know about practical skill in Creo 3.0. Also with this workshop participants get the benefits to easily blend with the advances with PTC Creo that are in use by the Industry.

**Date: 22 to 26-09-2020**

**Venue: Online (Google form)**

### **Patron**

**S. Gurdev Singh Birdi**

Chairman, Guru Gobind Singh Foundation, Nashik

**S. Harjit Singh Anand**

Sr. Vice-President, Guru Gobind Singh Foundation, Nashik

**S. Balbir Singh Chhabra**

Secretary, Guru Gobind Singh Foundation, Nashik

**S. Permindur Singh**

C.E.O, Guru Gobind Singh Foundation, Nashik

### **Convener**

**Dr. N. G. Nikam**

Principal, GCOERC, Nashik

**Dr. S. D. Kalpande**

Vice-Principal & Academic Dean, GCOERC, Nashik

**Dr. C. D. Mohod**

Head, Mechanical Engineering Department, GCOERC, Nashik.

### **Co-ordinator**

**Mr. Mr. D. P. Chavan**

Asst. Professor, Mechanical Engineering Department, GCOERC, Nashik

**Mr. P. P. Kudale**

Asst. Professor, Mechanical Engineering Department, GCOERC, Nashik

# *Online webinar on "PTC Creo Workshop"*

**Date: 22 to 26-09-2020**

**Organized by**

Guru Gobind Singh Foundation's

**Guru Gobind Singh College of Engineering  
and Research Centre, Nashik  
Department of Mechanical Engineering**



**ESTD. : 2013**

**In Association with**

**IEI (Institution of Engineers India)**

**Guru Gobind Singh College of Engineering & Research Center**  
**Department of Mechanical Engineering**  
**PTC Creo Workshop**

Date:26/09/2020

Timestamp	Sr. No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
9-26-2020 15:07:20	1	2	0	3	2	3	0	0	0	0	0	0	3	2	3
9-26-2020 15:08:42	2	2	0	2	3	3	0	0	0	0	0	0	3	3	2
9-26-2020 15:10:04	3	3	0	3	3	3	0	0	0	0	0	0	2	3	2
9-26-2020 15:15:26	4	3	0	1	3	1	0	0	0	0	0	0	3	3	3
9-26-2020 15:16:48	5	1	0	2	2	2	0	0	0	0	0	0	3	3	2
9-26-2020 15:16:11	6	3	0	3	3	3	0	0	0	0	0	0	2	2	3
9-26-2020 15:15:33	7	2	0	1	1	2	0	0	0	0	0	0	3	3	3
9-26-2020 15:16:55	8	2	0	3	3	3	0	0	0	0	0	0	2	2	2
9-26-2020 15:18:17	9	3	0	2	2	1	0	0	0	0	0	0	3	3	3
9-26-2020 15:19:39	10	3	0	2	2	3	0	0	0	0	0	0	1	1	2
9-26-2020 15:21:01	11	3	0	3	3	2	0	0	0	0	0	0	3	3	3
9-26-2020 15:22:23	12	3	0	3	3	3	0	0	0	0	0	0	2	2	1
9-26-2020 15:23:46	13	3	0	1	3	3	0	0	0	0	0	0	2	2	3
9-26-2020 15:25:08	14	3	0	3	3	2	0	0	0	0	0	0	3	3	2
9-26-2020 15:26:30	15	2	0	2	2	2	0	0	0	0	0	0	3	3	3
9-26-2020 15:27:52	16	3	0	2	3	3	0	0	0	0	0	0	1	3	3
9-26-2020 15:29:14	17	2	0	3	3	2	0	0	0	0	0	0	3	3	2
9-26-2020 15:30:36	18	3	0	3	2	3	0	0	0	0	0	0	2	2	2
9-26-2020 15:31:58	19	1	0	3	3	2	0	0	0	0	0	0	2	3	3
9-26-2020 15:33:21	20	3	0	3	2	3	0	0	0	0	0	0	3	3	2
9-26-2020 15:34:43	21	2	0	2	3	1	0	0	0	0	0	0	3	2	3
9-26-2020 15:36:05	22	2	0	3	1	3	0	0	0	0	0	0	3	3	2
9-26-2020 15:37:27	23	3	0	3	3	2	0	0	0	0	0	0	3	2	3
9-26-2020 15:38:49	24	3	0	2	2	2	0	0	0	0	0	0	2	3	1
9-26-2020 15:40:11	25	1	0	3	2	3	0	0	0	0	0	0	3	1	3
9-26-2020 15:41:33	26	3	0	2	3	3	0	0	0	0	0	0	3	3	2
9-26-2020 15:42:56	27	2	0	3	3	3	0	0	0	0	0	0	2	2	2
9-26-2020 15:44:18	28	2	0	3	3	3	0	0	0	0	0	0	3	2	3
9-26-2020 15:45:40	29	3	0	2	3	2	0	0	0	0	0	0	2	3	3
9-26-2020 15:47:02	30	3	0	3	2	3	0	0	0	0	0	0	3	3	3
9-26-2020 15:48:24	31	3	0	3	3	3	0	0	0	0	0	0	3	3	3
9-26-2020 15:49:46	32	3	0	2	3	2	0	0	0	0	0	0	2	3	2
9-26-2020 15:51:08	33	2	0	3	2	3	0	0	0	0	0	0	3	2	3
9-26-2020 15:52:31	34	3	0	2	3	2	0	0	0	0	0	0	3	3	3
9-26-2020 15:53:53	35	3	0	3	2	3	0	0	0	0	0	0	2	3	2
9-26-2020 15:55:15	36	2	0	2	3	1	0	0	0	0	0	0	3	2	3
9-26-2020 15:56:37	37	3	0	3	1	3	0	0	0	0	0	0	2	3	2
9-26-2020 15:57:59	38	2	0	3	3	2	0	0	0	0	0	0	3	2	3
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9-26-2020 16:00:43	40	3	0	3	2	3	0	0	0	0	0	0	3	1	3
9-26-2020 16:02:06	41	2	0	2	3	3	0	0	0	0	0	0	3	3	2
9-26-2020 16:03:28	42	3	0	3	3	1	0	0	0	0	0	0	2	2	2
9-26-2020 16:04:50	43	3	0	3	3	3	0	0	0	0	0	0	3	2	3
9-26-2020 16:06:14	44	2	0	3	3	2	0	0	0	0	0	0	2	3	3
9-26-2020 16:07:34	45	3	0	2	2	2	0	0	0	0	0	0	3	3	1
9-26-2020 16:08:56	46	2	0	3	3	3	0	0	0	0	0	0	3	3	3
9-26-2020 16:10:18	47	3	0	2	3	3	0	0	0	0	0	0	3	3	2
9-26-2020 16:15:40	48	1	0	3	2	3	0	0	0	0	0	0	2	2	2
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9-26-2020 16:15:47	51	3	0	2	3	3	0	0	0	0	0	0	3	2	3
9-26-2020 16:17:09	52	3	0	2	1	3	0	0	0	0	0	0	1	3	3
9-26-2020 16:18:31	53	2	0	3	1	3	0	0	0	0	0	0	3	2	2
9-26-2020 16:19:53	54	2	0	1	3	2	0	0	0	0	0	0	2	3	3
9-26-2020 16:21:15	55	3	0	3	2	3	0	0	0	0	0	0	2	1	3
9-26-2020 16:22:38	56	2	0	2	2	1	0	0	0	0	0	0	3	3	2
9-26-2020 16:24:00	57	2	0	2	3	3	0	0	0	0	0	0	3	2	3
9-26-2020 16:25:22	58	3	0	3	3	2	0	0	0	0	0	0	1	3	2
9-26-2020 16:26:44	59	3	0	3	3	2	0	0	0	0	0	0	3	3	3
9-26-2020 16:28:06	60	3	0	3	3	3	0	0	0	0	0	0	2	3	3
9-26-2020 16:29:28	61	3	0	3	2	3	0	0	0	0	0	0	2	3	2

9-26-2020 16:30:50	62	2	0	2	3	3	0	0	0	0	0	0	0	3	2	3
9-26-2020 16:32:12	63	3	0	3	3	3	0	0	0	0	0	0	0	3	3	3
9-26-2020 16:33:34	64	3	0	3	2	2	0	0	0	0	0	0	0	3	3	2
9-26-2020 16:34:56	65	2	0	2	3	3	0	0	0	0	0	0	0	3	3	2
9-26-2020 16:36:18	66	3	0	3	2	3	0	0	0	0	0	0	0	3	2	3
9-26-2020 16:37:40	67	2	0	2	3	2	0	0	0	0	0	0	0	2	3	1
9-26-2020 16:39:02	68	2	0	3	1	3	0	0	0	0	0	0	0	3	1	3
9-26-2020 16:40:24	69	3	0	1	3	2	0	0	0	0	0	0	0	2	3	2
9-26-2020 16:41:46	70	3	0	3	2	3	0	0	0	0	0	0	0	2	3	2
9-26-2020 16:43:08	71	3	0	2	2	1	0	0	0	0	0	0	0	3	2	3
9-26-2020 16:44:30	72	3	0	2	3	2	0	0	0	0	0	0	0	1	2	3
9-26-2020 16:45:52	73	2	0	3	3	3	0	0	0	0	0	0	0	3	3	2
9-26-2020 16:47:14	74	3	0	3	1	3	0	0	0	0	0	0	0	2	3	2
9-26-2020 16:48:36	75	3	0	3	3	2	0	0	0	0	0	0	0	2	3	3
9-26-2020 16:49:58	76	2	0	3	2	3	0	0	0	0	0	0	0	3	3	2
9-26-2020 16:51:20	77	3	0	2	2	2	0	0	0	0	0	0	0	3	2	2
9-26-2020 16:52:42	78	2	0	3	1	3	0	0	0	0	0	0	0	1	3	3
9-26-2020 16:54:04	79	3	0	1	3	2	0	0	0	0	0	0	0	3	3	3
9-26-2020 16:55:26	80	1	0	3	2	3	0	0	0	0	0	0	0	2	2	3
9-26-2020 16:56:48	81	3	0	2	3	3	0	0	0	0	0	0	0	2	3	3
9-26-2020 16:58:10	82	2	0	3	3	3	0	0	0	0	0	0	0	3	2	2
9-26-2020 16:59:32	83	3	0	1	3	1	0	0	0	0	0	0	0	3	3	3
9-26-2020 15:00:54	84	2	0	2	2	2	0	0	0	0	0	0	0	3	1	3
9-26-2020 15:02:16	85	3	0	3	3	3	0	0	0	0	0	0	0	3	3	2
9-26-2020 15:03:38	86	3	0	1	1	2	0	0	0	0	0	0	0	2	2	3
9-26-2020 15:05:00	87	2	0	3	3	3	0	0	0	0	0	0	0	3	2	2
9-26-2020 15:06:22	88	3	0	2	2	1	0	0	0	0	0	0	0	3	3	2
9-26-2020 15:07:44	89	2	0	2	2	3	0	0	0	0	0	0	0	2	3	3
9-26-2020 15:09:06	90	3	0	3	3	2	0	0	0	0	0	0	0	3	3	3
9-26-2020 15:10:28	91	1	0	3	3	3	0	0	0	0	0	0	0	2	3	3
9-26-2020 15:11:50	92	3	0	1	3	3	0	0	0	0	0	0	0	3	2	3
9-26-2020 15:15:12	93	2	0	3	3	2	0	0	0	0	0	0	0	3	3	2
9-26-2020 15:16:34	94	2	0	2	2	2	0	0	0	0	0	0	0	2	3	3
9-26-2020 15:15:56	95	3	0	2	3	3	0	0	0	0	0	0	0	3	2	3
9-26-2020 15:17:18	96	3	0	3	3	2	0	0	0	0	0	0	0	3	3	2
9-26-2020 15:18:40	97	3	0	3	2	3	0	0	0	0	0	0	0	2	2	3
9-26-2020 15:20:02	98	3	0	3	3	2	0	0	0	0	0	0	0	3	3	2
9-26-2020 15:21:24	99	2	0	3	2	3	0	0	0	0	0	0	0	2	1	3
9-26-2020 15:22:46	100	3	0	2	3	1	0	0	0	0	0	0	0	3	3	1
9-26-2020 15:16:34	101	3	0	3	1	3	0	0	0	0	0	0	0	1	2	3
9-26-2020 15:16:34	102	2	0	3	3	2	0	0	0	0	0	0	0	3	2	2
9-26-2020 15:16:34	103	3	0	2	2	2	0	0	0	0	0	0	0	2	3	3
9-26-2020 15:16:34	104	3	0	3	2	3	0	0	0	0	0	0	0	3	3	3
9-26-2020 15:16:34	105	2	0	2	3	3	0	0	0	0	0	0	0	3	3	2
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9-26-2020 15:16:34	107	3	0	3	3	3	0	0	0	0	0	0	0	2	2	3
9-26-2020 15:16:34	108	2	0	2	3	2	0	0	0	0	0	0	0	3	3	2
9-26-2020 15:16:34	109	3	0	3	2	3	0	0	0	0	0	0	0	2	3	3
9-26-2020 15:16:34	110	3	0	3	3	3	0	0	0	0	0	0	0	2	2	2
9-26-2020 15:16:34	111	2	0	2	3	2	0	0	0	0	0	0	0	3	3	3
9-26-2020 15:16:34	112	3	0	3	2	3	0	0	0	0	0	0	0	3	2	1
9-26-2020 15:16:34	113	2	0	2	3	2	0	0	0	0	0	0	0	3	3	3
9-26-2020 15:16:34	114	3	0	3	2	3	0	0	0	0	0	0	0	3	3	3
9-26-2020 15:16:34	115	1	0	2	3	1	0	0	0	0	0	0	0	3	1	2
9-26-2020 15:16:34	116	3	0	3	1	3	0	0	0	0	0	0	0	2	3	2
9-26-2020 15:16:34	117	2	0	3	3	2	0	0	0	0	0	0	0	3	2	3
9-26-2020 15:16:34	118	3	0	2	2	2	0	0	0	0	0	0	0	2	3	3
9-26-2020 15:16:34	119	3	0	3	2	3	0	0	0	0	0	0	0	3	2	3
9-26-2020 15:16:34	120	2	0	2	3	3	0	0	0	0	0	0	0	2	2	2
9-26-2020 15:16:34	121	2	0	3	3	1	0	0	0	0	0	0	0	2	3	3
9-26-2020 15:16:34	122	3	0	3	3	3	0	0	0	0	0	0	0	3	2	3
9-26-2020 15:16:34	123	2	0	3	3	2	0	0	0	0	0	0	0	3	2	2
9-26-2020 15:16:34	124	2	0	2	2	2	0	0	0	0	0	0	0	3	3	3
9-26-2020 15:16:34	125	3	0	3	3	3	0	0	0	0	0	0	0	3	3	2
9-26-2020 15:16:34	126	3	0	2	3	3	0	0	0	0	0	0	0	2	3	3
9-26-2020 15:16:34	127	3	0	3	2	3	0	0	0	0	0	0	0	3	3	1
9-26-2020 15:16:34	128	3	0	1	3	3	0	0	0	0	0	0	0	3	2	3
9-26-2020 15:16:34	129	2	0	3	2	2	0	0	0	0	0	0	0	2	3	2

9-26-2020 15:20:00  
9-26-2020 15:20:00

9-26-2020 15:16:34	130	3	0	2	3	3	0	0	0	0	0	0	3	3	2
9-26-2020 15:16:34	131	3	0	2	1	3	0	0	0	0	0	0	2	2	3
9-26-2020 15:16:34	132	2	0	3	1	3	0	0	0	0	0	0	3	3	3
9-26-2020 15:16:34	133	3	0	1	3	2	0	0	0	0	0	0	1	2	3
9-26-2020 15:16:34	134	2	0	3	2	3	0	0	0	0	0	0	3	3	2
9-26-2020 15:16:34	135	3	0	2	2	1	0	0	0	0	0	0	2	1	3
9-26-2020 15:16:34	136	1	0	2	3	3	0	0	0	0	0	0	3	3	3
9-26-2020 15:16:34	137	3	0	3	3	2	0	0	0	0	0	0	2	2	2
9-26-2020 15:16:34	138	2	0	3	3	2	0	0	0	0	0	0	3	3	3
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9-26-2020 15:16:34	140	3	0	3	2	3	0	0	0	0	0	0	2	2	3
9-26-2020 15:16:34	141	2	0	2	3	3	0	0	0	0	0	0	3	2	1
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9-26-2020 15:16:34	144	3	0	2	3	3	0	0	0	0	0	0	1	3	3
9-26-2020 15:16:34	145	3	0	3	2	3	0	0	0	0	0	0	3	2	3
9-26-2020 15:16:34	146	2	0	2	3	2	0	0	0	0	0	0	2	3	2
9-26-2020 15:16:34	147	3	0	3	1	3	0	0	0	0	0	0	2	1	2
9-26-2020 15:16:34	148	3	0	1	3	2	0	0	0	0	0	0	3	3	3
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9-26-2020 15:16:34	150	3	0	2	2	1	0	0	0	0	0	0	3	3	3
9-26-2020 15:16:34	151	2	0	2	3	2	0	0	0	0	0	0	2	3	3
9-26-2020 15:16:34	152	3	0	3	3	3	0	0	0	0	0	0	3	3	3
9-26-2020 15:16:34	153	1	0	3	1	3	0	0	0	0	0	0	3	3	3
9-26-2020 15:16:34	154	3	0	3	3	2	0	0	0	0	0	0	2	2	2
9-26-2020 15:16:34	155	2	0	3	2	3	0	0	0	0	0	0	3	3	3
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9-26-2020 15:16:34	157	3	0	3	1	3	0	0	0	0	0	0	2	2	2
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9-26-2020 15:16:34	160	3	0	2	2	1	0	0	0	0	0	0	2	3	2
9-26-2020 15:16:34	161	2	0	2	3	3	0	0	0	0	0	0	3	1	3
9-26-2020 15:16:34	162	2	0	3	3	2	0	0	0	0	0	0	3	3	3
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9-26-2020 15:16:34	164	3	0	3	3	3	0	0	0	0	0	0	3	2	3
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9-26-2020 15:16:34	167	2	0	3	3	3	0	0	0	0	0	0	1	1	3
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9-26-2020 15:16:34	170	2	0	3	2	3	0	0	0	0	0	0	3	2	1
9-26-2020 15:16:34	171	3	0	2	3	2	0	0	0	0	0	0	3	3	3
9-26-2020 15:16:34	172	2	0	3	1	3	0	0	0	0	0	0	2	3	2
9-26-2020 15:16:34	173	3	0	1	3	2	0	0	0	0	0	0	2	3	3
9-26-2020 15:16:34	174	1	0	3	2	3	0	0	0	0	0	0	3	3	3
9-26-2020 15:16:34	175	3	0	2	2	1	0	0	0	0	0	0	2	2	2
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9-26-2020 15:16:34	180	2	0	3	2	3	0	0	0	0	0	0	3	2	3
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9-26-2020 15:16:34	182	2	0	3	1	3	0	0	0	0	0	0	3	3	3
9-26-2020 15:16:34	183	3	0	1	3	2	0	0	0	0	0	0	3	2	3
9-26-2020 15:16:34	184	3	0	3	2	3	0	0	0	0	0	0	2	3	2
9-26-2020 15:16:34	185	2	0	2	2	1	0	0	0	0	0	0	3	3	3
9-26-2020 15:16:34	186	3	0	2	3	3	0	0	0	0	0	0	2	2	3
9-26-2020 15:16:34	187	3	0	3	3	2	0	0	0	0	0	0	3	3	2
9-26-2020 15:16:34	188	2	0	3	3	3	0	0	0	0	0	0	1	2	3
9-26-2020 15:16:34	189	3	0	3	3	3	0	0	0	0	0	0	3	3	2
9-26-2020 15:16:34	190	2	0	3	2	3	0	0	0	0	0	0	2	1	3
9-26-2020 15:16:34	191	3	0	3	3	3	0	0	0	0	0	0	3	3	1
9-26-2020 15:16:34	192	1	0	3	2	2	0	0	0	0	0	0	3	2	3
9-26-2020 15:16:34	193	2	0	3	2	2	0	0	0	0	0	0	3	2	3
		2.52											2.5389	2.5233	2.513

DA  
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