A.Y. 2020-21

Use of ICT Enabled Tools

(Criteria 2.3.2)

The teachers use following ICT enabled tools for effective teaching-learning process.

1) Microsoft Teams
   Link: https://teams.microsoft.com/_?culture=en-in&country=IN&lm=deeplink&lmsrc=homePageWeb&cmpid=WebSignIn#/conversations/19:meeting_OTM1OWUzODgtYzNmMi00YjdjLTllYTgtZWE5ZTc1NjBkZGYw@thread.v2?ctx=chat
2) LMS
   Link: https://dypic.adypgonline.in/login/index.php

Following activities are carried out using LMS

a. Conduction of online lectures/Practical, seminars, presentations of students, meetings and various events.
b. To upload assignments, study material, PPTs, NPTEL videos
c. Record own lectures and supply to students for study assistance.
d. To monitor the attendance
e. To conduct various internal examinations
   And activities related to teaching learning process.

Dr. F. B. Sayyad

Principal

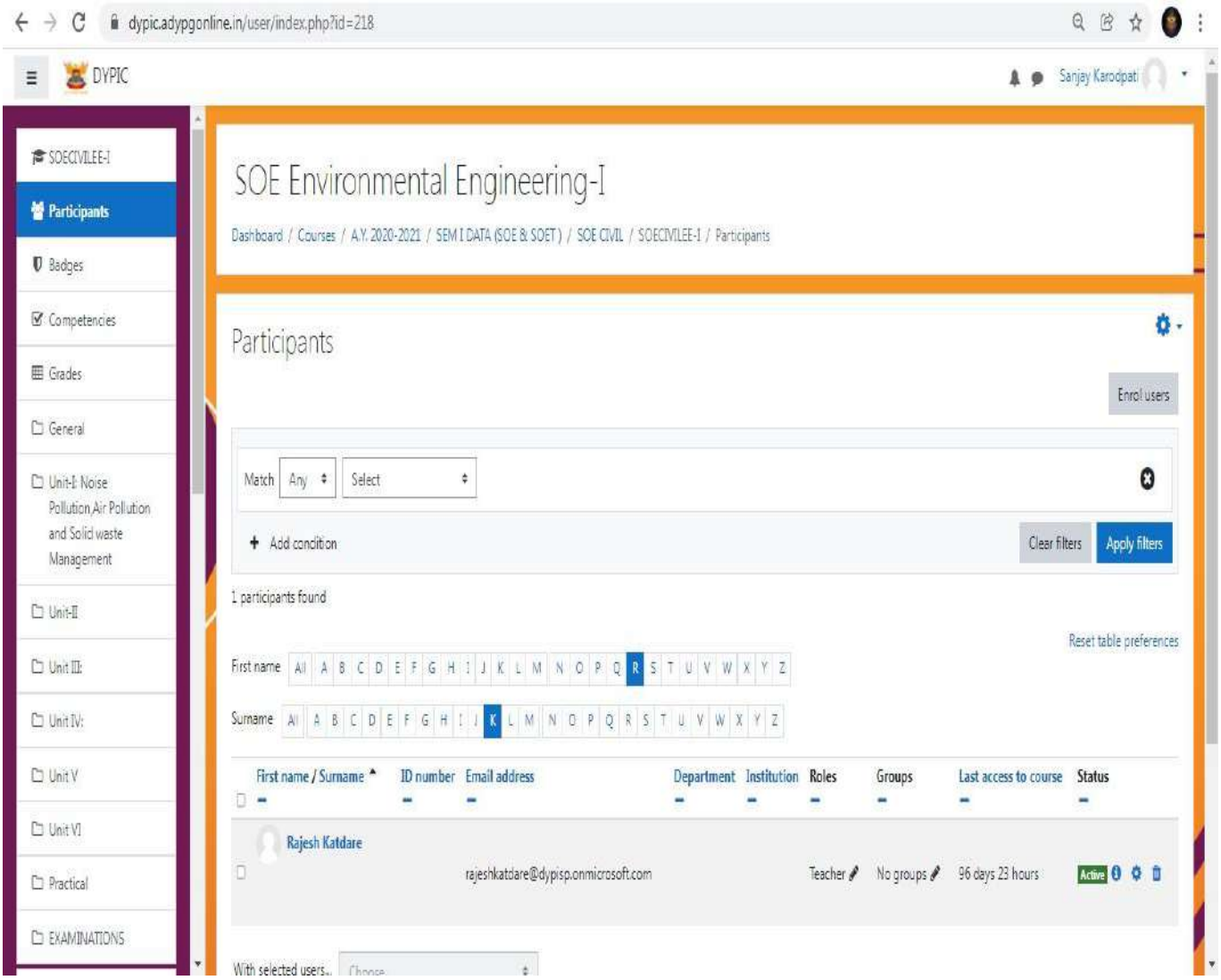
D. Y. Patil School of Engineering Lohegaon Pune

Enclosed: Screen Shots of LMS & MS Teams

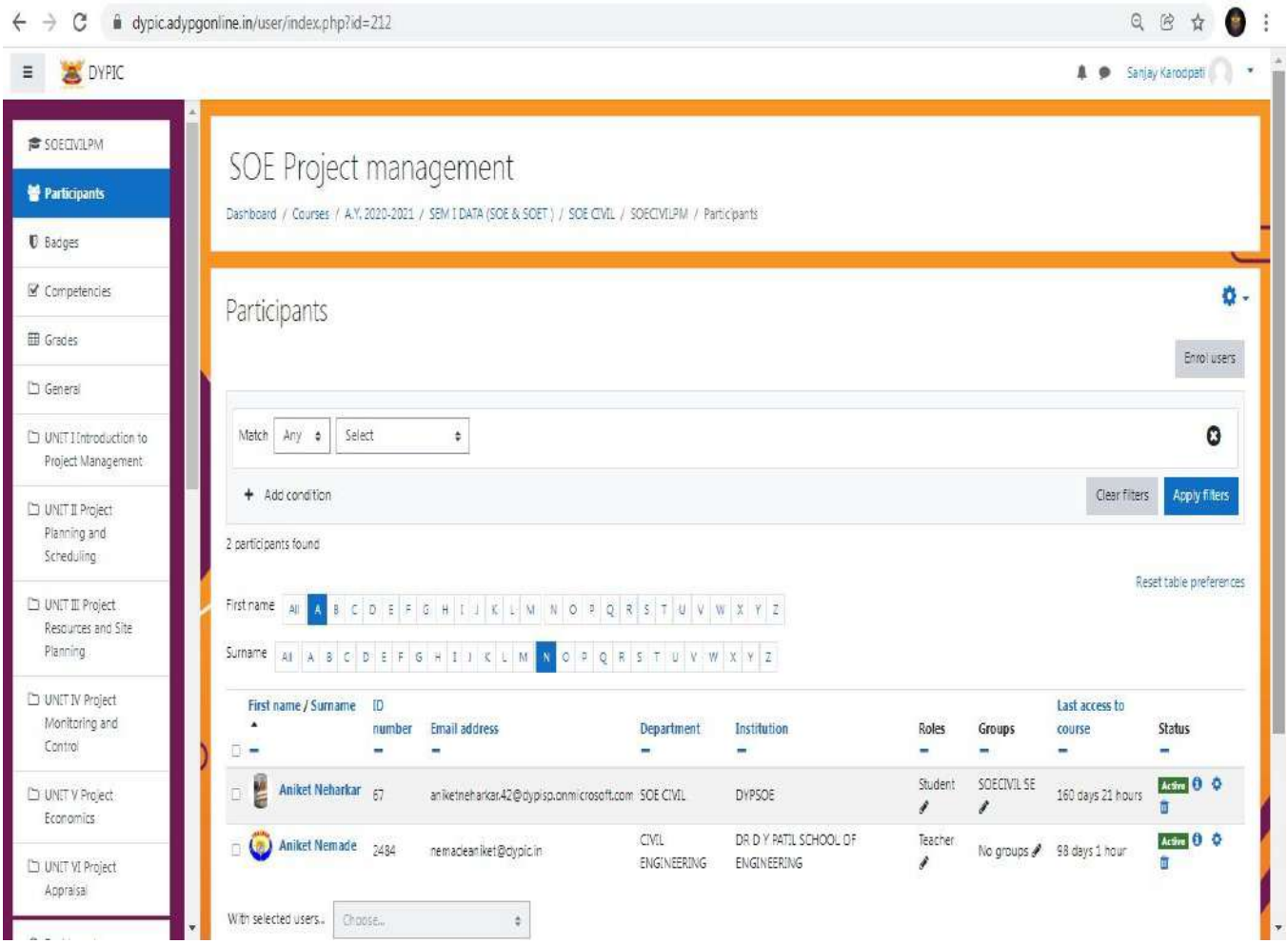
Criteria: 2.3.2: Use of ICT enabled tools for effective teaching learning process.

- Screen shots of Microsoft Teams, LMS or online platform showing subject allotted.

A.Y.2020-21 Semester I



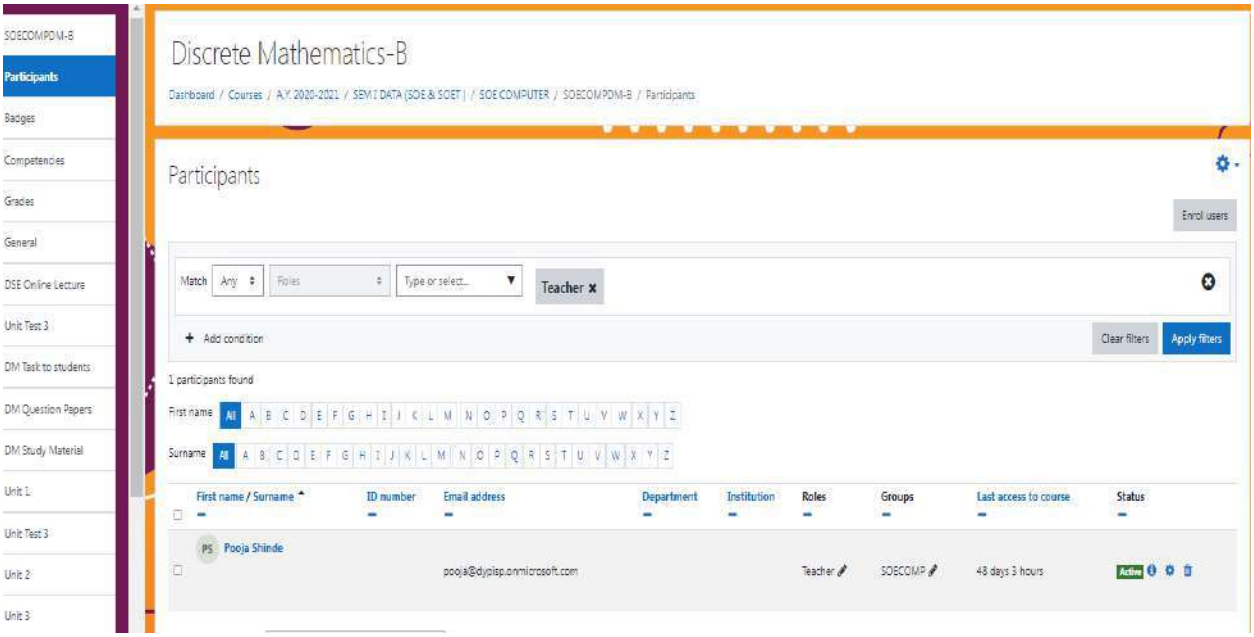
A.Y.2020-21 Semester II

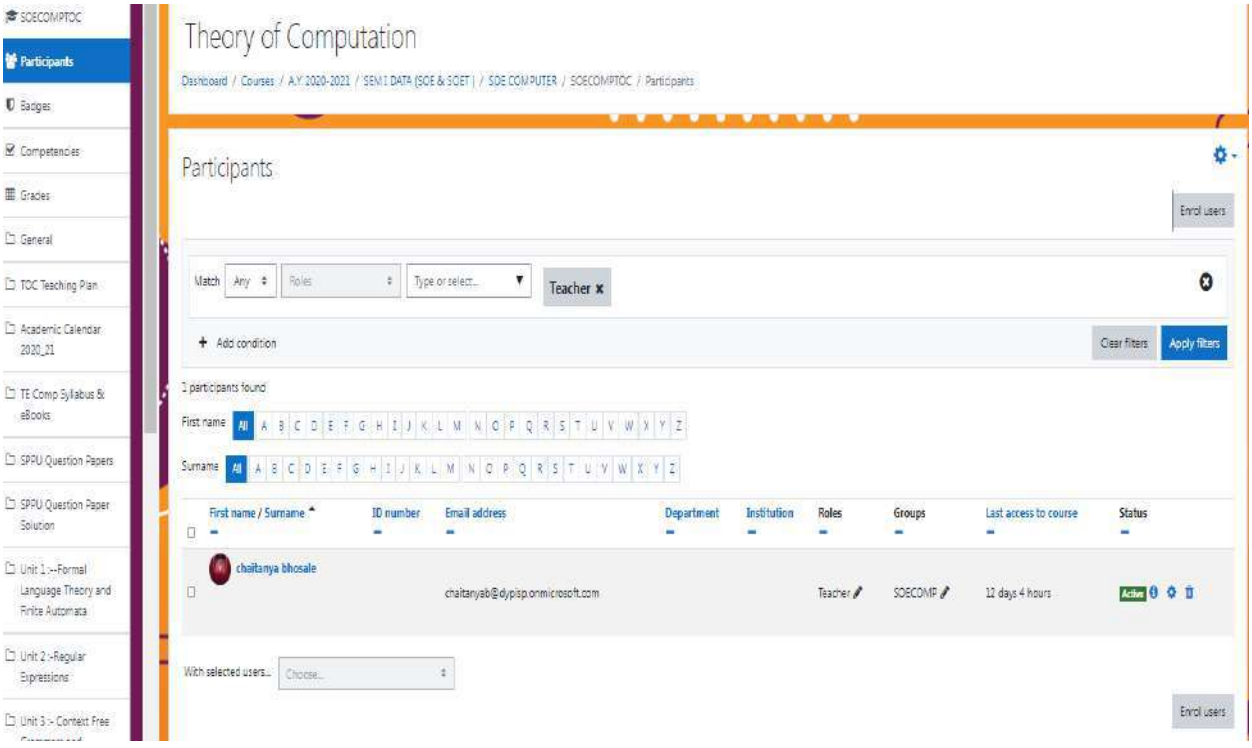


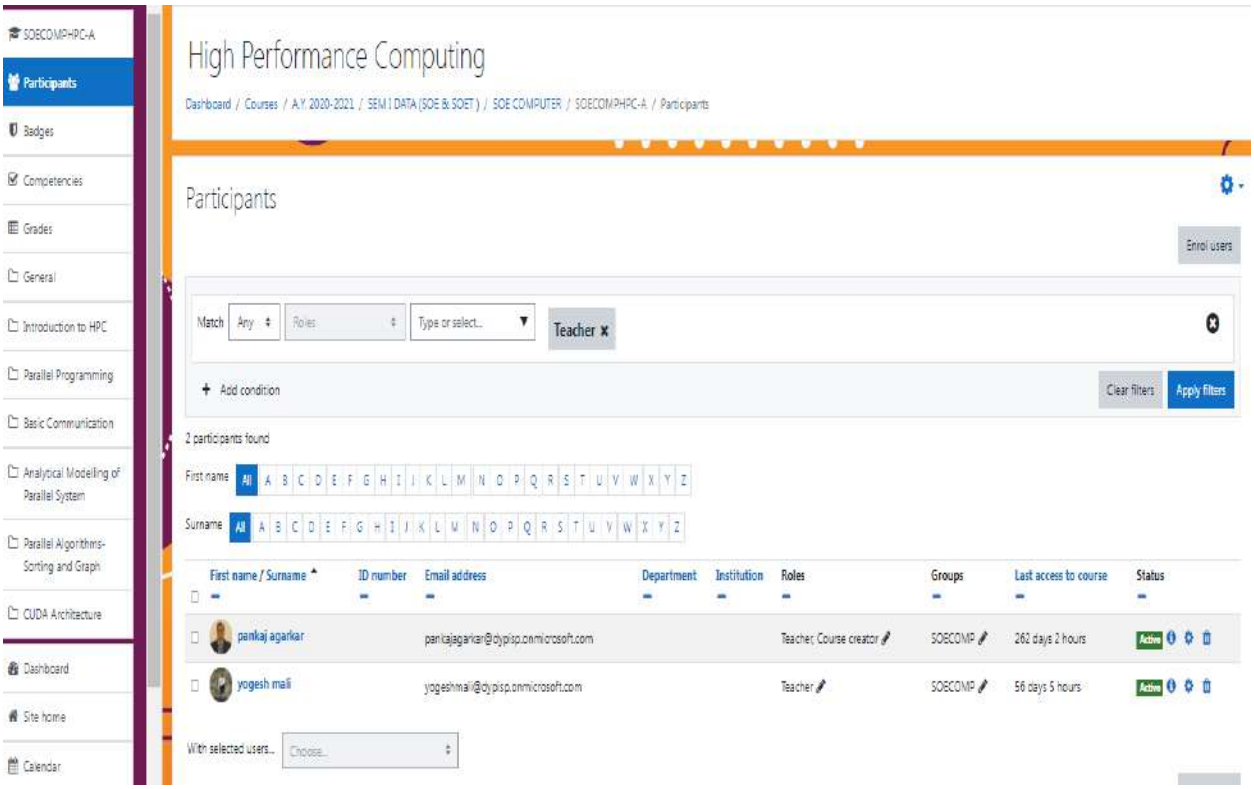
Computer Department

A.Y. 2020-2021

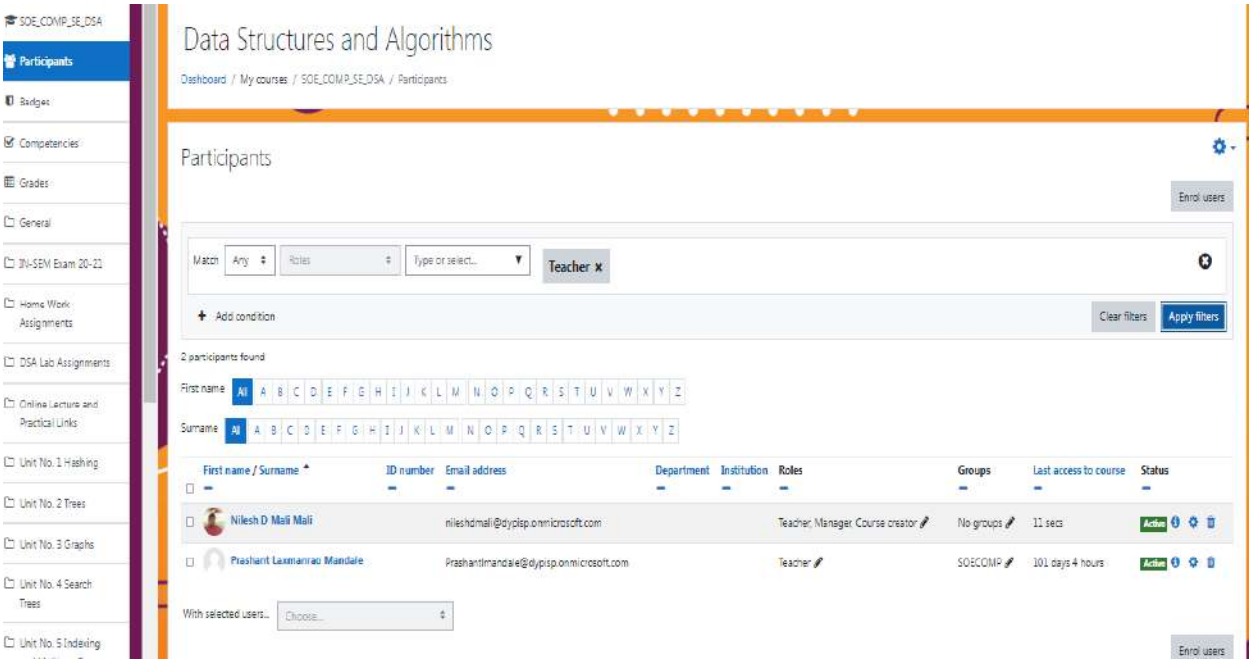
(Sem-I)

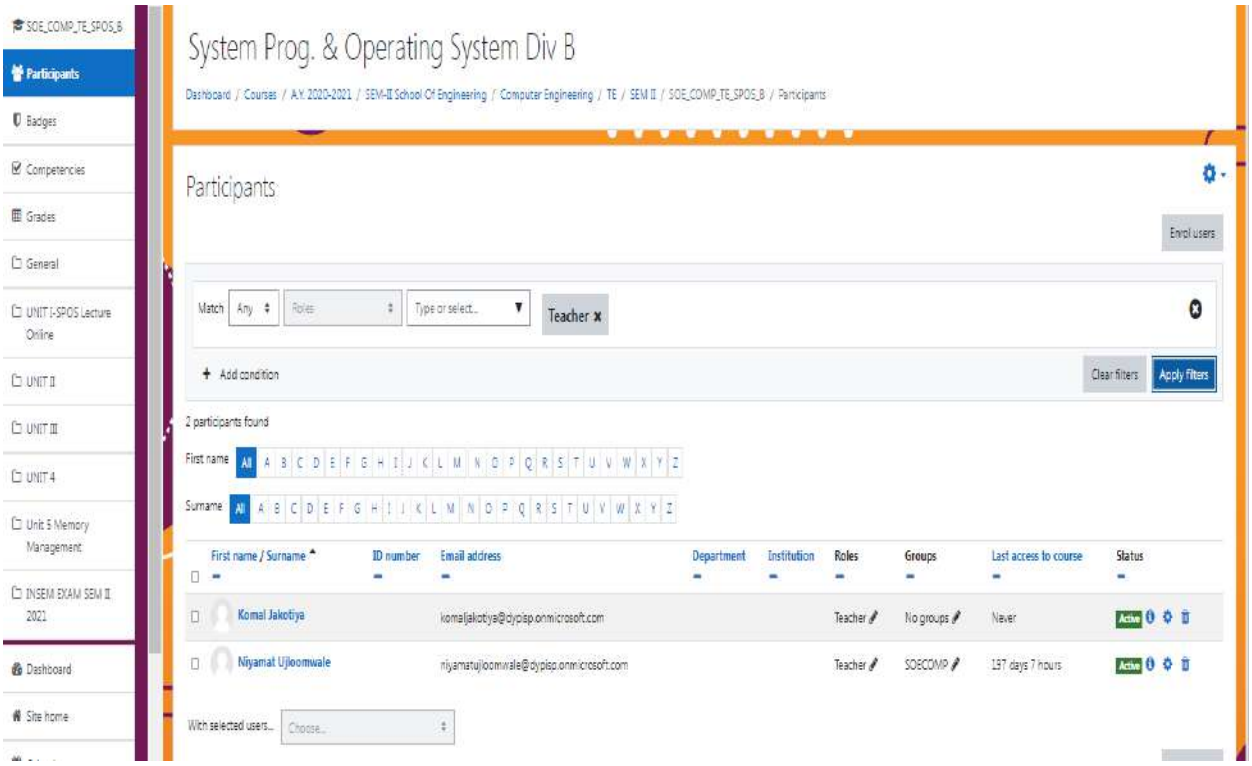


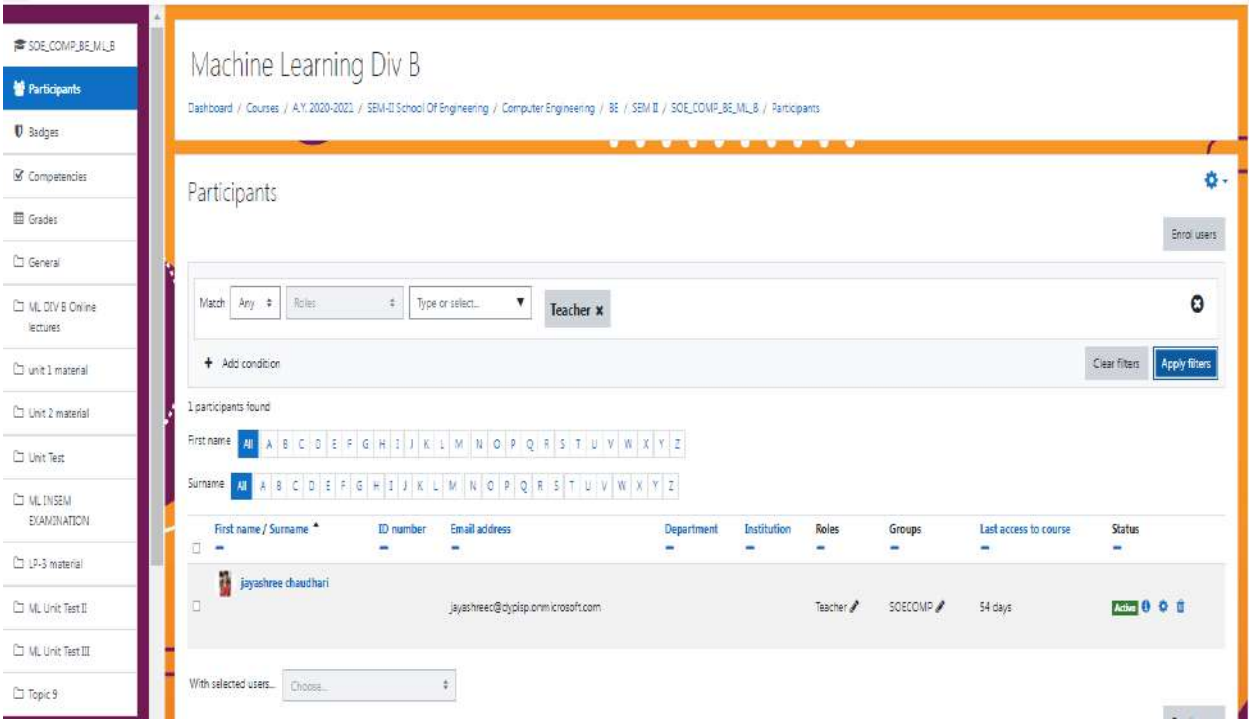


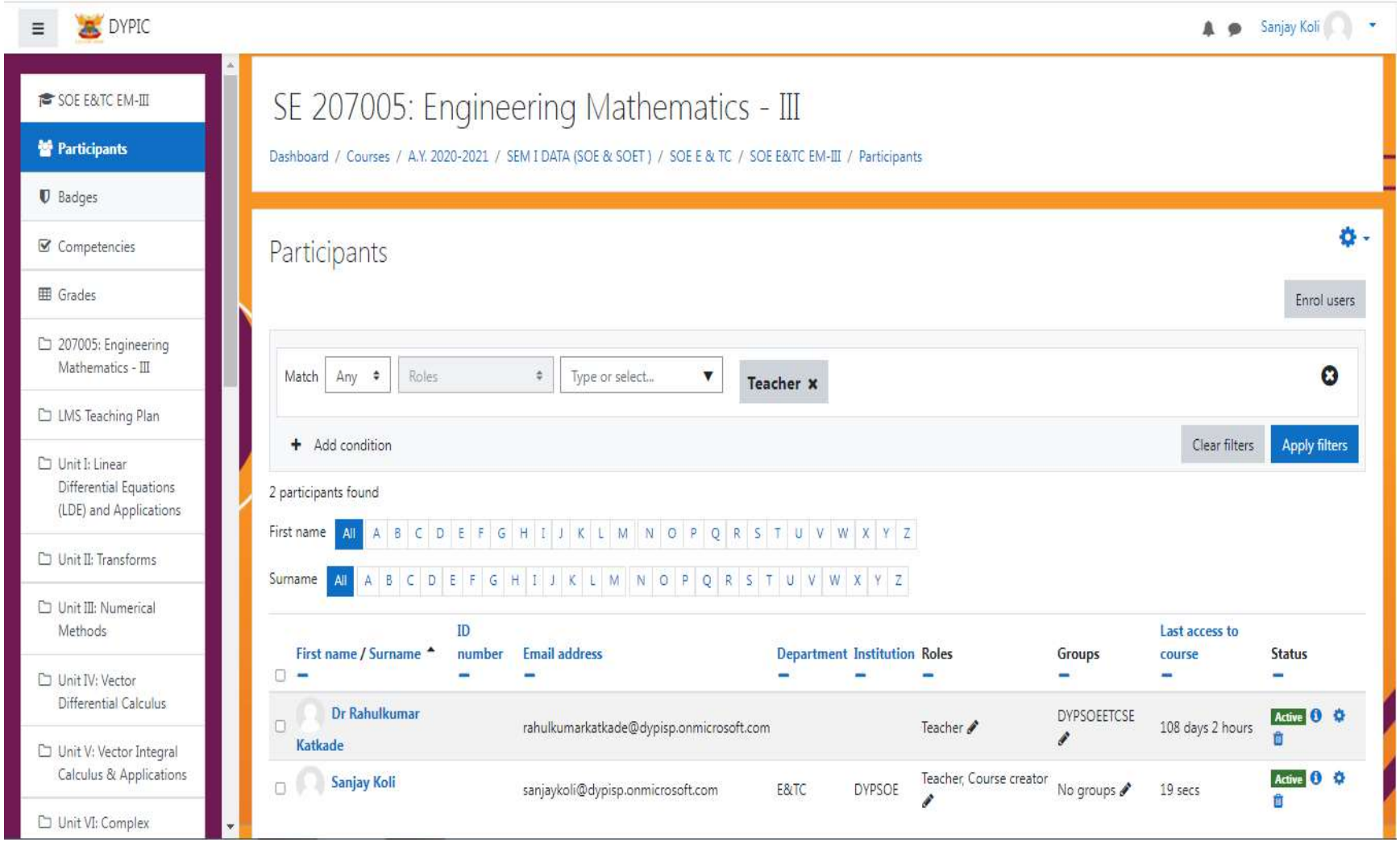

SOECOMPHPC-A
Participants
Badges
Competencies
Grades
General
Introduction to HPC
Parallel Programming
Basic Communication
Analytical Modelling of Parallel System
Parallel Algorithms-Sorting and Graph
CUDA Architecture
Dashboard
Site home
Calendar
High Performance Computing
Dashboard / Courses / A.Y. 2020-2021 / SEM I DATA (SOE & SOET) / SOE COMPUTER / SOECOMPHPC-A / Participants
Participants
Enrol users
Match Any Roles Type or select... Teacher
Add condition
Clear filters
Apply filters
2 participants found
First name All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Surname All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
First name / Surname
ID number
Email address
Department
Institution
Roles
Groups
Last access to course
Status
pankaj agarkar
pankajagarkar@dypisp.onmicrosoft.com
Teacher, Course creator
SOECOMP
262 days 2 hours
Active
yogesh mali
yogeshmali@dypisp.onmicrosoft.com
Teacher
SOECOMP
56 days 5 hours
Active
With selected users...
Choose...

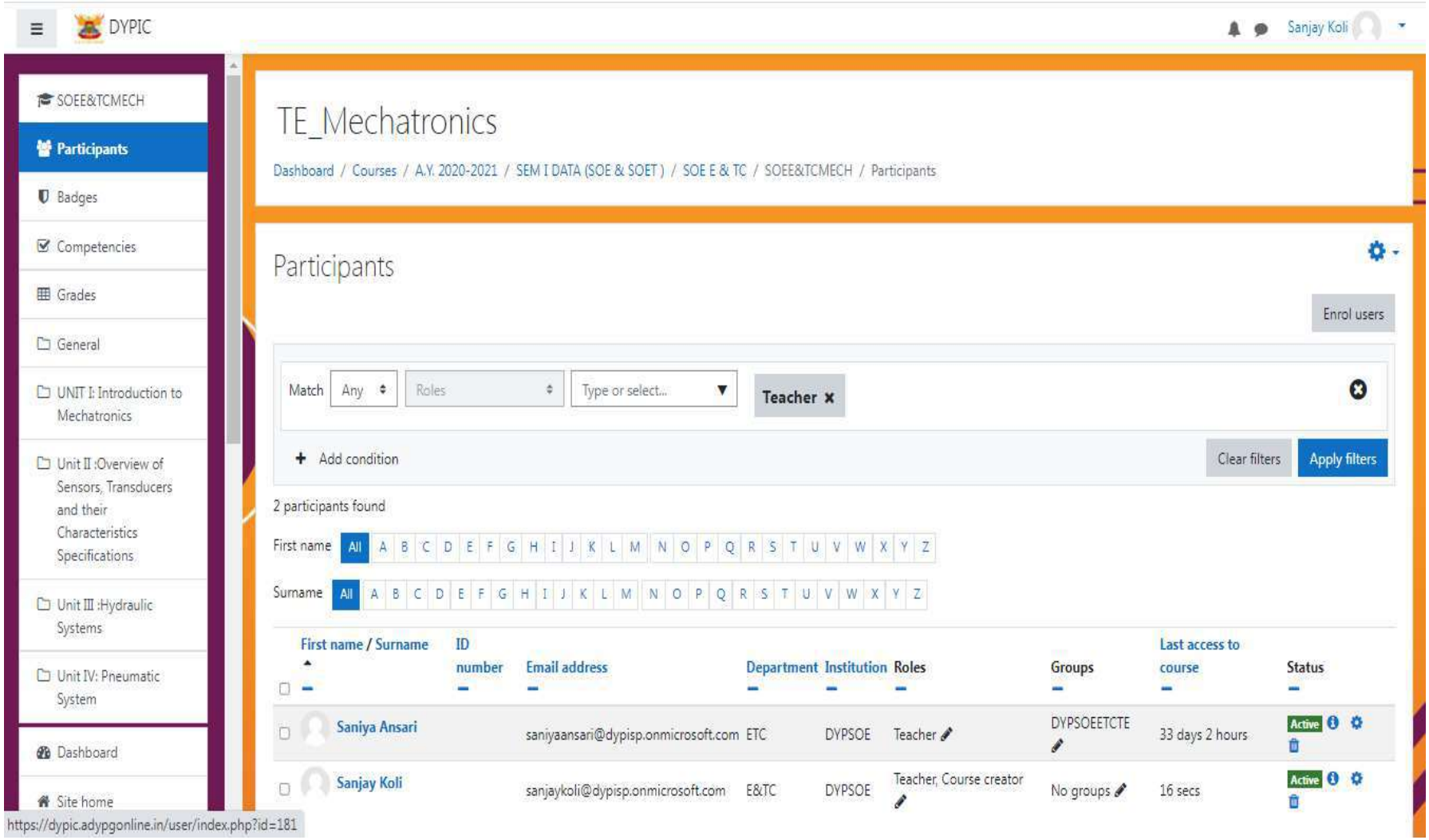
(Sem-II)

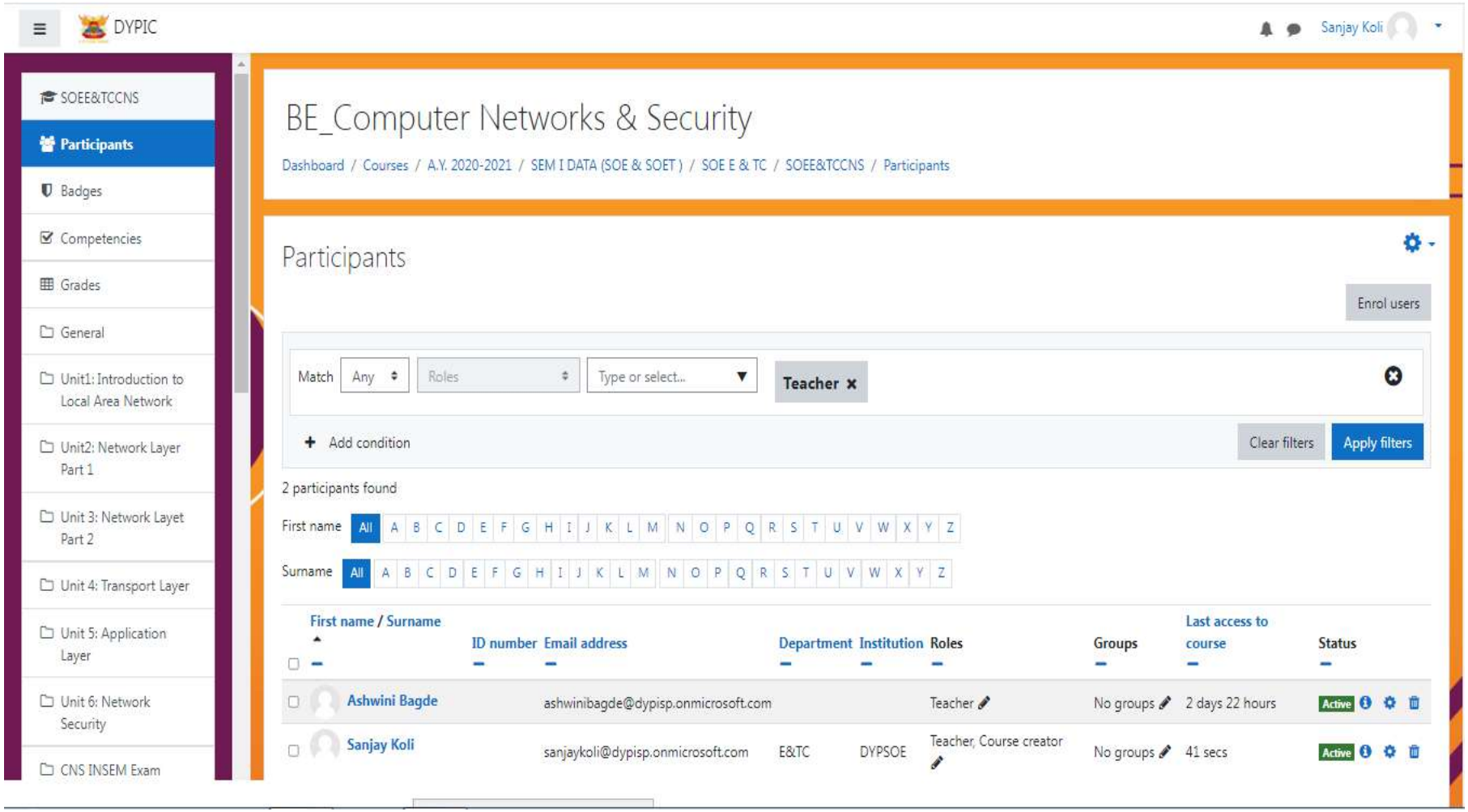

SOE_COMP_SE_DSA
Participants
Badges
Competencies
Grades
General
3N-SEM Exam 20-22
Home Work Assignments
DSA Lab Assignments
Online Lecture and Practical Links
Unit No. 1 Hashing
Unit No. 2 Trees
Unit No. 3 Graphs
Unit No. 4 Search Trees
Unit No. 5 Indexing
Data Structures and Algorithms
Dashboard / My courses / SOE_COMP_SE_DSA / Participants
Participants
Enrol users
Match Any Roles Type or select... Teacher
Add condition
Clear filters
Apply filters
2 participants found
First name All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Surname All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
First name / Surname
ID number
Email address
Department
Institution
Roles
Groups
Last access to course
Status
Nilesh D Mali Mali
nileshdmali@dypisp.onmicrosoft.com
Teacher, Manager, Course creator
No groups
11 secs
Active
Prashant Laxmanrao Mandale
Prashantlmandale@dypisp.onmicrosoft.com
Teacher
SOECOMP
101 days 4 hours
Active
With selected users...
Choose...
Enrol users

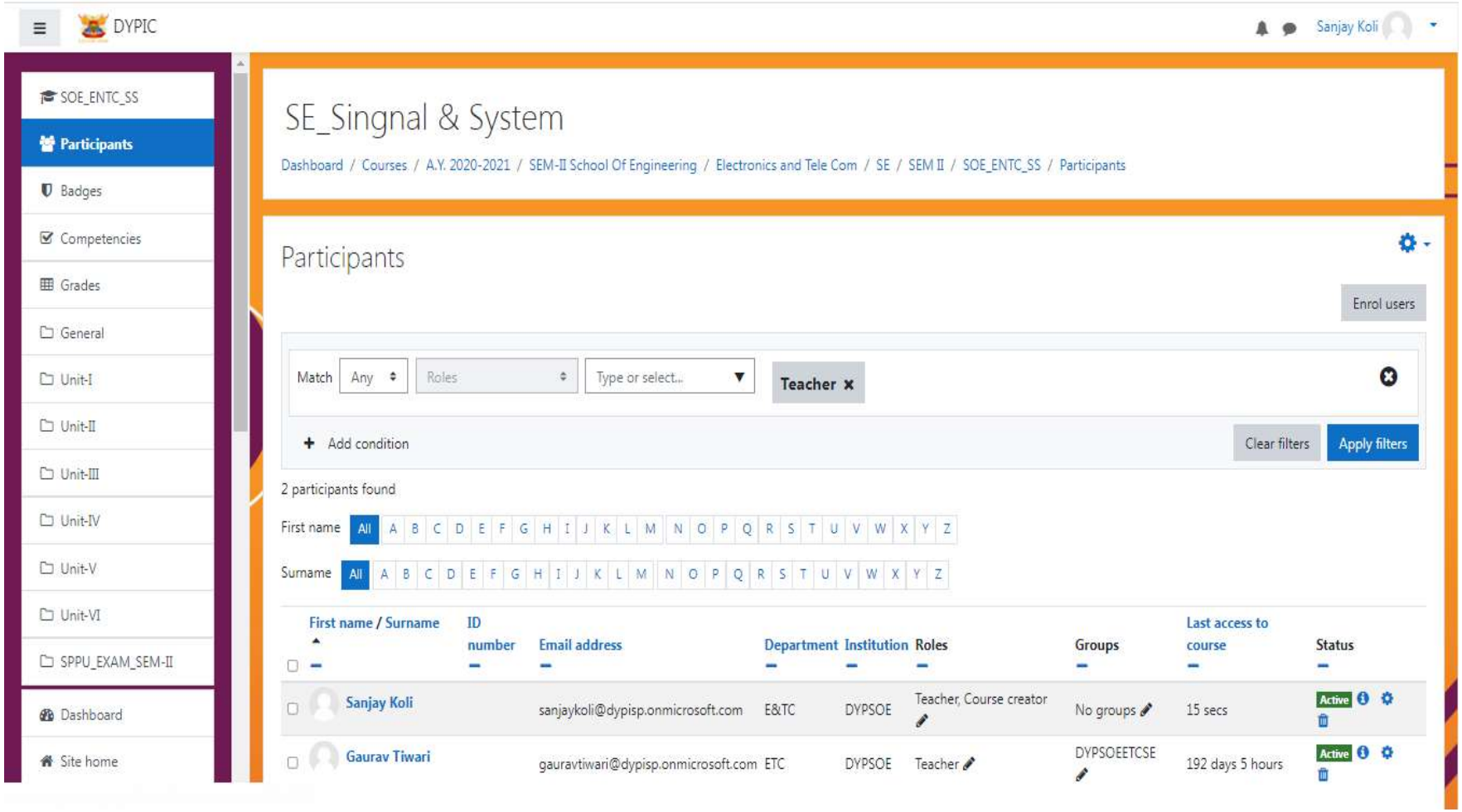

SOE_COMP_TE_SPOS_B
Participants
Badges
Competencies
Grades
General
UNIT I-SPOS Lecture Online
UNIT II
UNIT III
UNIT 4
Unit 5 Memory Management
INSEM EXAM SEM II 2021
Dashboard
Site home
System Prog. & Operating System Div B
Dashboard / Courses / A.Y. 2020-2021 / SEM-II School Of Engineering / Computer Engineering / TE / SEM II / SOE_COMP_TE_SPOS_B / Participants
Participants
Enrol users
Match Any Roles Type or select... Teacher x
Add condition
Clear filters
Apply filters
2 participants found
First name All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Surname All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
First name / Surname
ID number
Email address
Department
Institution
Roles
Groups
Last access to course
Status
Komal Jakotiya
komaljakotiya@dypisp.onmicrosoft.com
Teacher
No groups
Never
Active
Niyamat Ujloomwale
niyamatujloomwale@dypisp.onmicrosoft.com
Teacher
SOECOMP
137 days 7 hours
Active
With selected users... Choose...

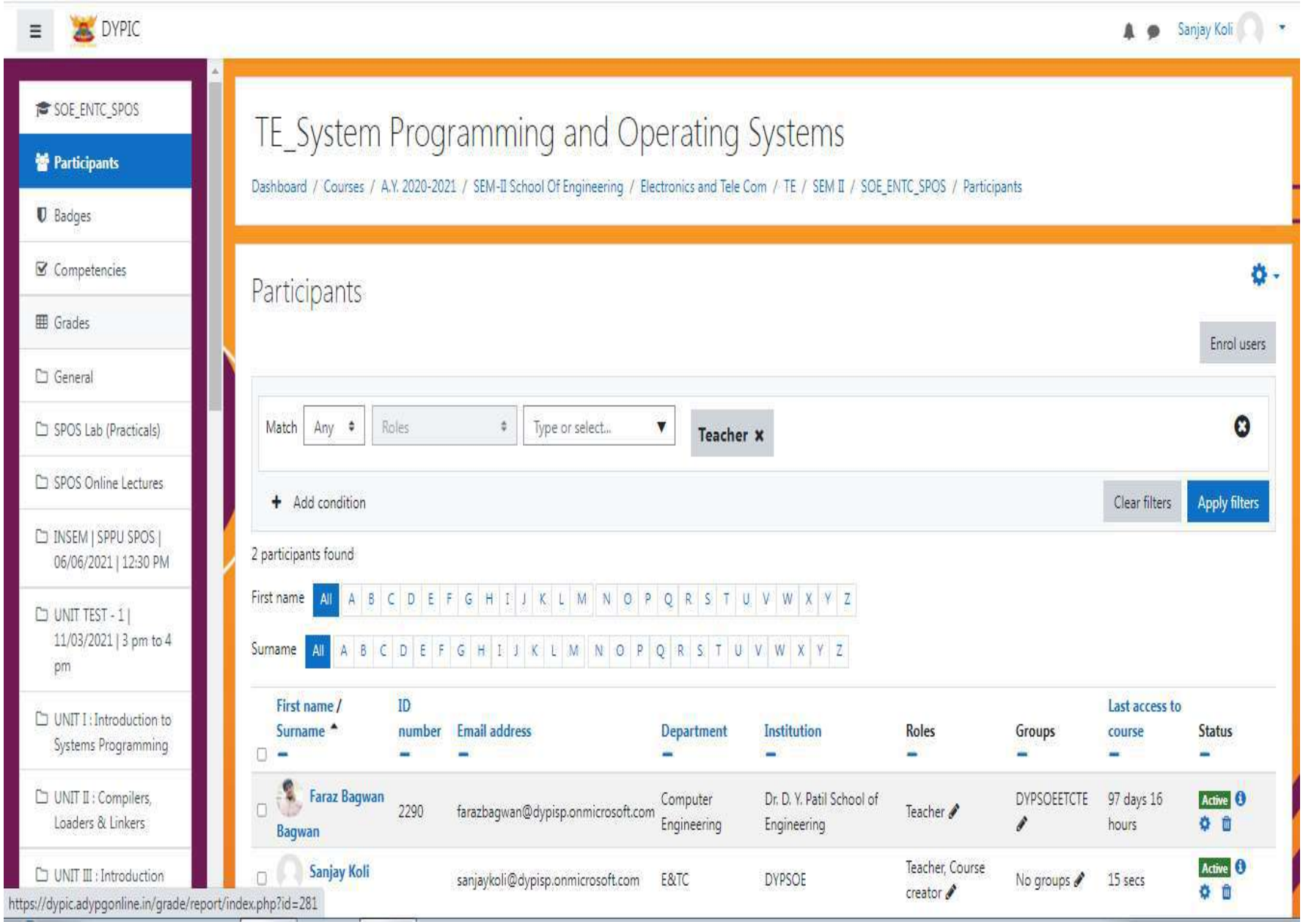

SOE_COMP_BE_ML_B
Participants
Badges
Competencies
Grades
General
ML DIV B Online lectures
unit 1 material
Unit 2 material
Unit Test
ML INSEM EXAMINATION
LP-3 material
ML Unit Test II
ML Unit Test III
Topic 9
Machine Learning Div B
Dashboard / Courses / A.Y. 2020-2021 / SEM-II School Of Engineering / Computer Engineering / BE / SEM II / SOE_COMP_BE_ML_B / Participants
Participants
Enrol users
Match Any Roles Type or select... Teacher x
Add condition
Clear filters
Apply filters
1 participants found
First name All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Surname All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
First name / Surname
ID number
Email address
Department
Institution
Roles
Groups
Last access to course
Status
jayashree chaudhari
jayashreec@dypisp.onmicrosoft.com
Teacher
SOECOMP
54 days
Active
With selected users... Choose...

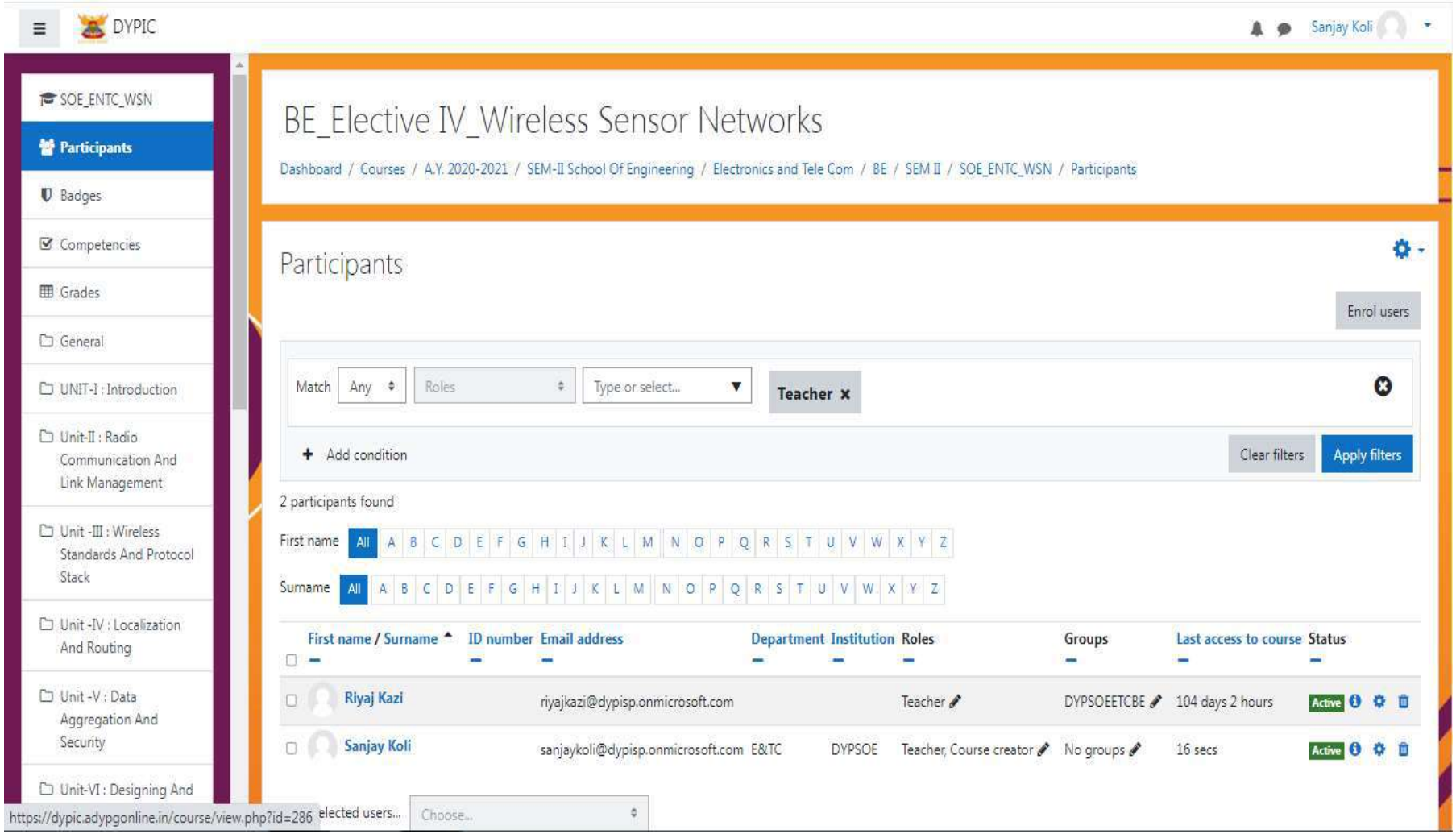

DYPIC
Sanjay Koli
SOE E&TC EM-III
Participants
Badges
Competencies
Grades
207005: Engineering Mathematics - III
LMS Teaching Plan
Unit I: Linear Differential Equations (LDE) and Applications
Unit II: Transforms
Unit III: Numerical Methods
Unit IV: Vector Differential Calculus
Unit V: Vector Integral Calculus & Applications
Unit VI: Complex
SE 207005: Engineering Mathematics - III
Dashboard / Courses / A.Y. 2020-2021 / SEM I DATA (SOE & SOET) / SOE E & TC / SOE E&TC EM-III / Participants
Participants
Enrol users
Match Any Roles Type or select... Teacher ×
Add condition
Clear filters
Apply filters
2 participants found
First name All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Surname All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
First name / Surname
ID number
Email address
Department
Institution
Roles
Groups
Last access to course
Status
Dr Rahulkumar Katkade
rahulkumarkatkade@dypisp.onmicrosoft.com
Teacher
DYPSOEETCSE
108 days 2 hours
Active
Sanjay Koli
sanjaykoli@dypisp.onmicrosoft.com
E&TC
DYPSOE
Teacher, Course creator
No groups
19 secs
Active

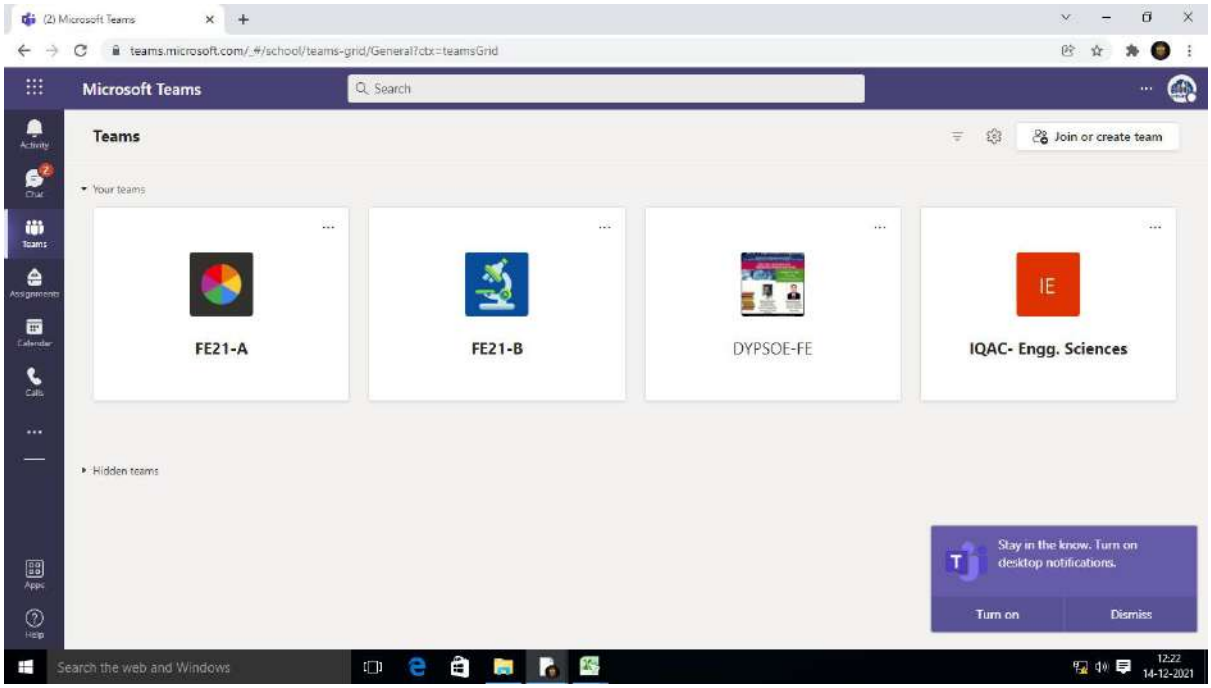

DYPIC
Sanjay Koli
SOEE&TCMECH
Participants
Badges
Competencies
Grades
General
UNIT I: Introduction to Mechatronics
Unit II :Overview of Sensors, Transducers and their Characteristics Specifications
Unit III :Hydraulic Systems
Unit IV: Pneumatic System
Dashboard
Site home
TE_Mechatronics
Dashboard / Courses / A.Y. 2020-2021 / SEM I DATA (SOE & SOET) / SOE E & TC / SOEE&TCMECH / Participants
Participants
Enrol users
Match Any Roles Type or select... Teacher ×
+ Add condition
Clear filters
Apply filters
2 participants found
First name All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Surname All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
First name / Surname
ID number
Email address
Department
Institution
Roles
Groups
Last access to course
Status
Saniya Ansari saniyaansari@dypisp.onmicrosoft.com ETC DYPSOE Teacher DYPSOEETCTE 33 days 2 hours Active
Sanjay Koli sanjaykoli@dypisp.onmicrosoft.com E&TC DYPSOE Teacher, Course creator No groups 16 secs Active
https://dypic.adypgonline.in/user/index.php?id=181

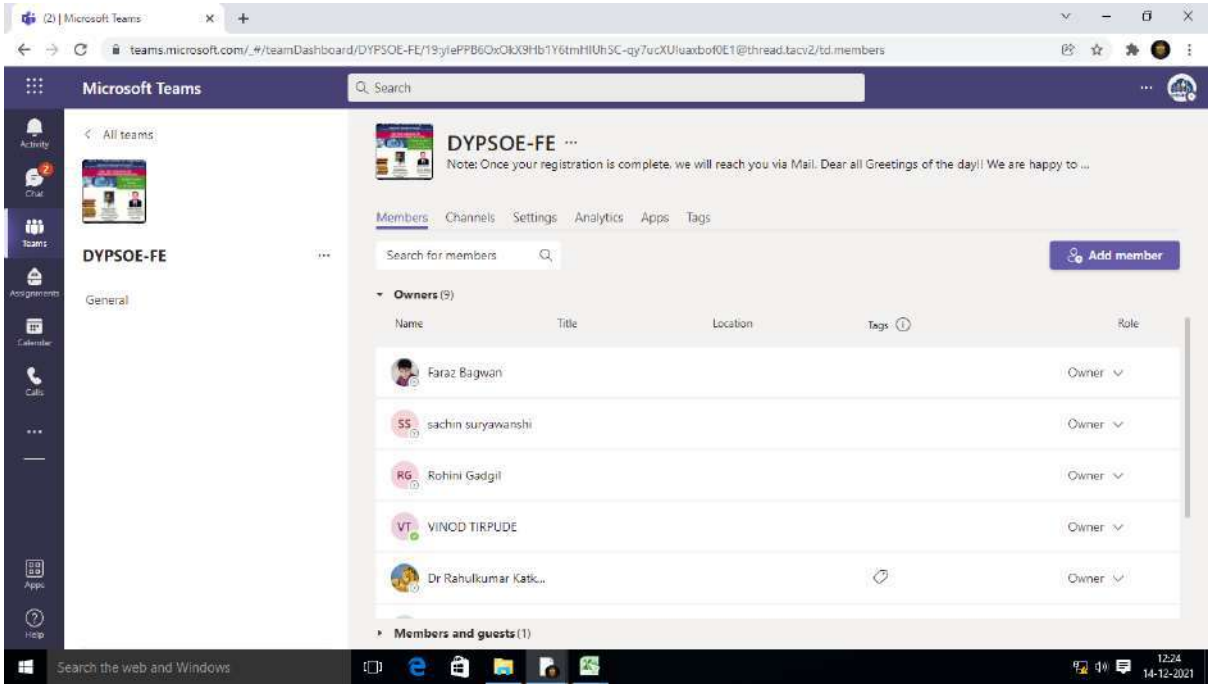

DYPIC
Sanjay Koli
SOEE&TCCNS
Participants
Badges
Competencies
Grades
General
Unit1: Introduction to Local Area Network
Unit2: Network Layer Part 1
Unit 3: Network Layet Part 2
Unit 4: Transport Layer
Unit 5: Application Layer
Unit 6: Network Security
CNS INSEM Exam
BE_Computer Networks & Security
Dashboard / Courses / A.Y. 2020-2021 / SEM I DATA (SOE & SOET) / SOE E & TC / SOEE&TCCNS / Participants
Participants
Enrol users
Match Any Roles Type or select... Teacher ×
Add condition
Clear filters
Apply filters
2 participants found
First name All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Surname All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
First name / Surname
ID number
Email address
Department
Institution
Roles
Groups
Last access to course
Status
Ashwini Bagde ashwinibagde@dypisp.onmicrosoft.com Teacher No groups 2 days 22 hours Active
Sanjay Koli sanjaykoli@dypisp.onmicrosoft.com E&TC DYPSOE Teacher, Course creator No groups 41 secs Active

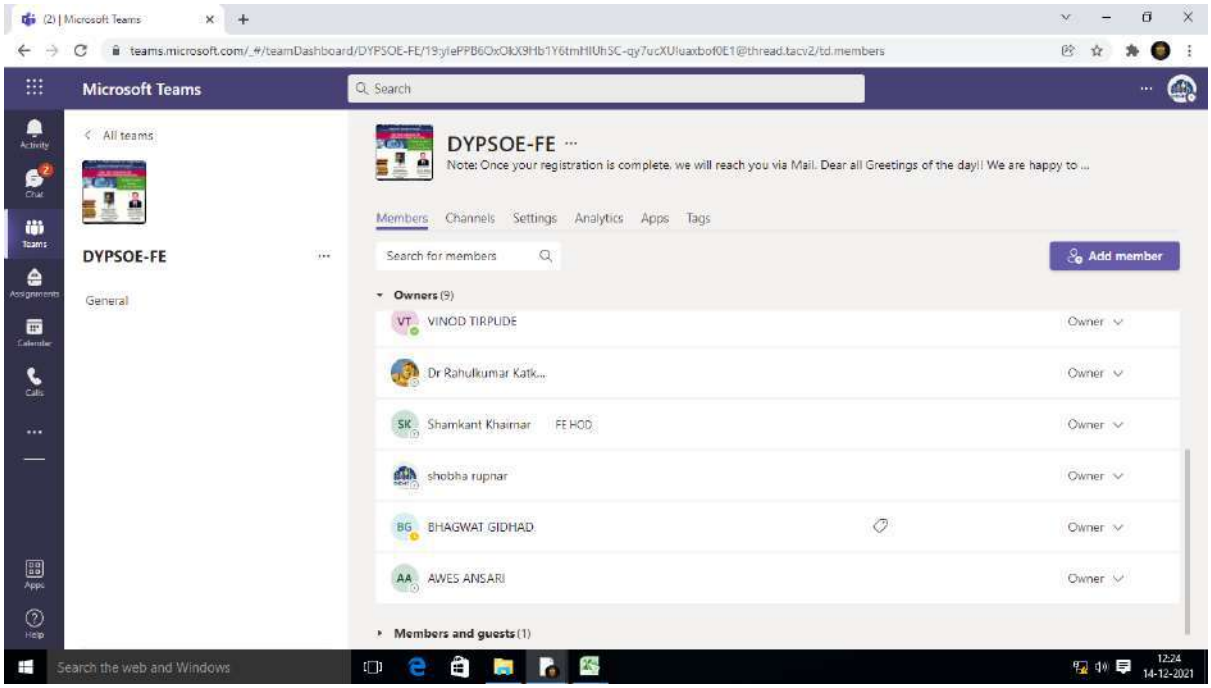

DYPIC
Sanjay Koli
SOE_ENTC_SS
Participants
Badges
Competencies
Grades
General
Unit-I
Unit-II
Unit-III
Unit-IV
Unit-V
Unit-VI
SPPU_EXAM_SEM-II
Dashboard
Site home
SE_Singnal & System
Dashboard / Courses / A.Y. 2020-2021 / SEM-II School Of Engineering / Electronics and Tele Com / SE / SEM II / SOE_ENTC_SS / Participants
Participants
Enrol users
Match Any Roles Type or select... Teacher ×
Add condition
Clear filters
Apply filters
2 participants found
First name All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Surname All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
First name / Surname
ID number
Email address
Department
Institution
Roles
Groups
Last access to course
Status
Sanjay Koli sanjaykoli@dypisp.onmicrosoft.com E&TC DYPSOE Teacher, Course creator No groups 15 secs Active
Gaurav Tiwari gauravtiwari@dypisp.onmicrosoft.com ETC DYPSOE Teacher DYPSOEETCSE 192 days 5 hours Active

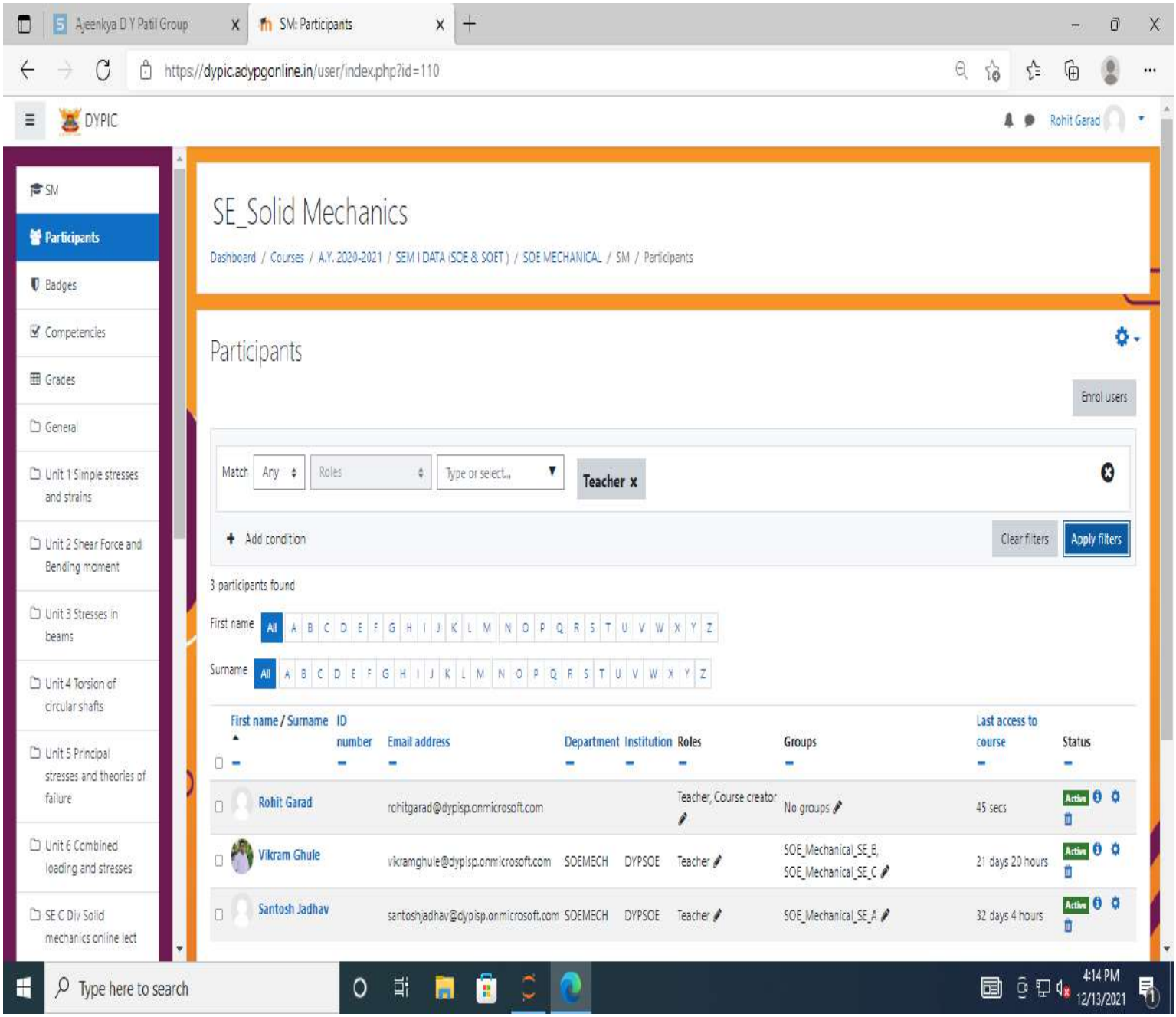

DYPIC
Sanjay Koli
SOE_ENTC_SPOS
Participants
Badges
Competencies
Grades
General
SPOS Lab (Practicals)
SPOS Online Lectures
INSEM | SPPU SPOS | 06/06/2021 | 12:30 PM
UNIT TEST - 1 | 11/03/2021 | 3 pm to 4 pm
UNIT I : Introduction to Systems Programming
UNIT II : Compilers, Loaders & Linkers
UNIT III : Introduction
TE_System Programming and Operating Systems
Dashboard / Courses / A.Y. 2020-2021 / SEM-II School Of Engineering / Electronics and Tele Com / TE / SEM II / SOE_ENTC_SPOS / Participants
Participants
Enrol users
Match Any Roles Type or select... Teacher ×
Add condition
Clear filters
Apply filters
2 participants found
First name All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Surname All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
First name / Surname
ID number
Email address
Department
Institution
Roles
Groups
Last access to course
Status
Faraz Bagwan Bagwan
2290
farazbagwan@dypisp.onmicrosoft.com
Computer Engineering
Dr. D. Y. Patil School of Engineering
Teacher
DYPSOEETCTE
97 days 16 hours
Active
Sanjay Koli
sanjaykoli@dypisp.onmicrosoft.com
E&TC
DYPSOE
Teacher, Course creator
No groups
15 secs
Active
https://dypic.adypgonline.in/grade/report/index.php?id=281

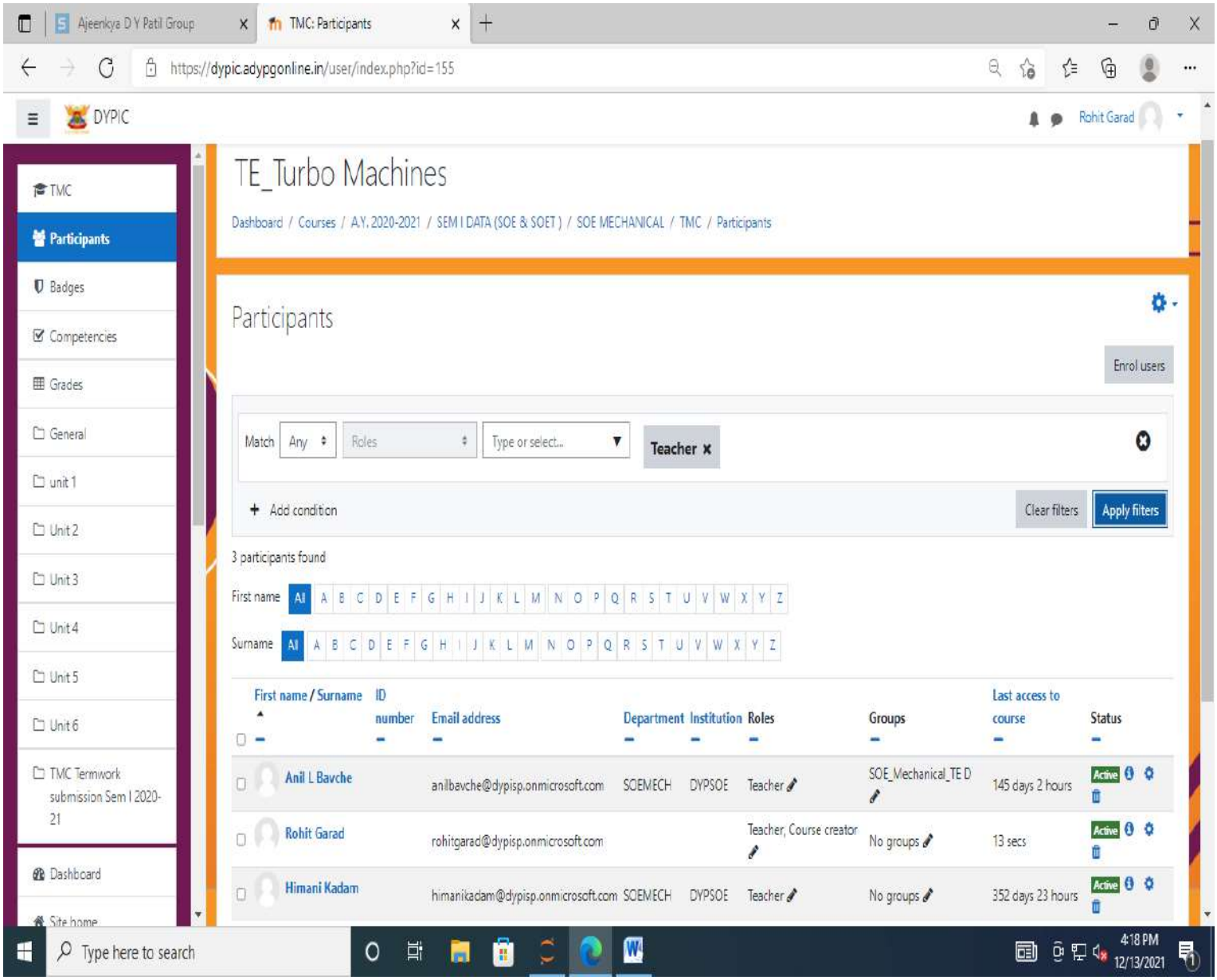

DYPIC
Sanjay Koli
SOE_ENTC_WSN
Participants
Badges
Competencies
Grades
General
UNIT-I : Introduction
Unit-II : Radio Communication And Link Management
Unit -III : Wireless Standards And Protocol Stack
Unit -IV : Localization And Routing
Unit -V : Data Aggregation And Security
Unit-VI : Designing And
BE_Elective IV_Wireless Sensor Networks
Dashboard / Courses / A.Y. 2020-2021 / SEM-II School Of Engineering / Electronics and Tele Com / BE / SEM II / SOE_ENTC_WSN / Participants
Participants
Enrol users
Match Any Roles Type or select... Teacher ×
Add condition
Clear filters
Apply filters
2 participants found
First name All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Surname All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
First name / Surname
ID number
Email address
Department
Institution
Roles
Groups
Last access to course
Status
Riyaj Kazi riyajkazi@dypisp.onmicrosoft.com Teacher DYPSOEETCBE 104 days 2 hours Active
Sanjay Koli sanjaykoli@dypisp.onmicrosoft.com E&TC DYPSOE Teacher, Course creator No groups 16 secs Active
elected users...
Choose...
https://dypic.adypgonline.in/course/view.php?id=286

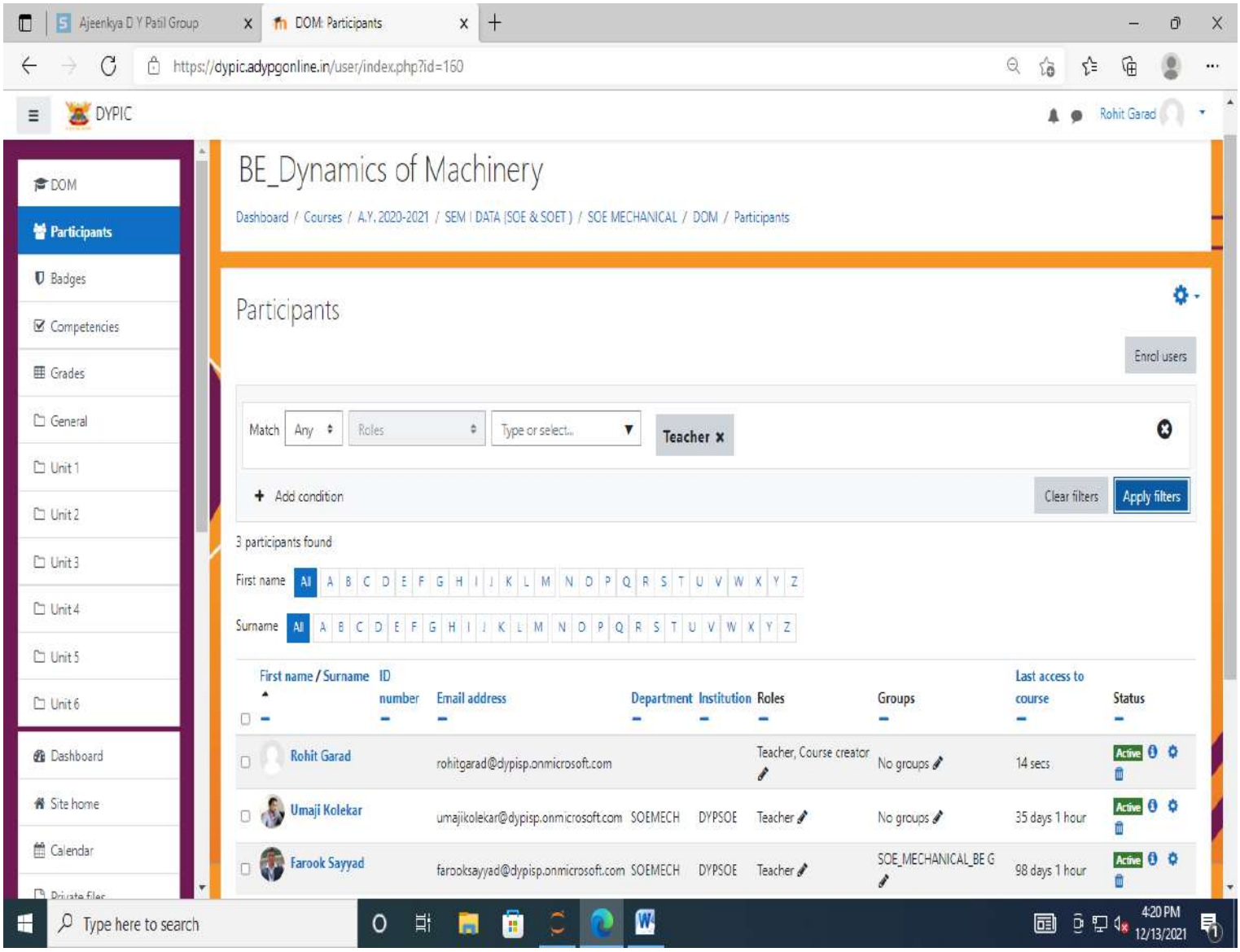

(2) Microsoft Teams
teams.microsoft.com/_#/school/teams-grid/General?ctx=teamsGrid
Microsoft Teams
Search
Teams
Join or create team
Your teams
FE21-A
FE21-B
DYPSOE-FE
IQAC- Engg. Sciences
Hidden teams
Stay in the know. Turn on desktop notifications.
Turn on
Dismiss
Search the web and Windows
12:22
14-12-2021

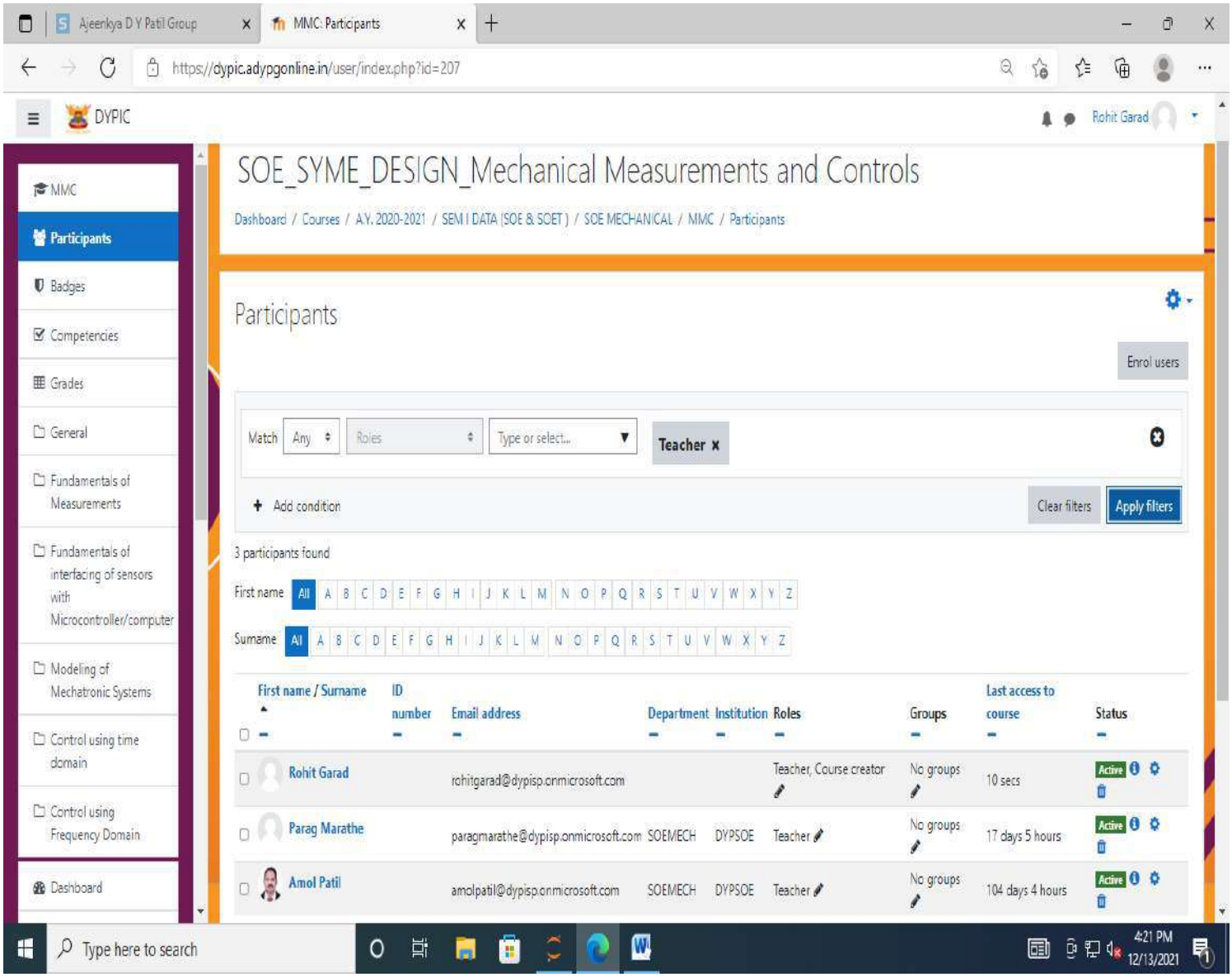

(2) | Microsoft Teams
teams.microsoft.com/_#/teamDashboard/DYPSOE-FE/19:yIePPB6OxOkX9Hb1Y6tmHIUhSC-qy7ucXUIuaxbof0E1@thread.tacv2/td.members
Microsoft Teams
Search
All teams
DYPSOE-FE
General
DYPSOE-FE
Note: Once your registration is complete, we will reach you via Mail. Dear all Greetings of the day!! We are happy to ...
Members
Channels
Settings
Analytics
Apps
Tags
Search for members
Add member
Owners (9)
Name
Title
Location
Tags
Role
Faraz Bagwan
Owner
sachin suryawanshi
Owner
Rohini Gadgil
Owner
VINOD TIRPUDE
Owner
Dr Rahulkumar Katk...
Owner
Members and guests (1)
Search the web and Windows
12:24
14-12-2021

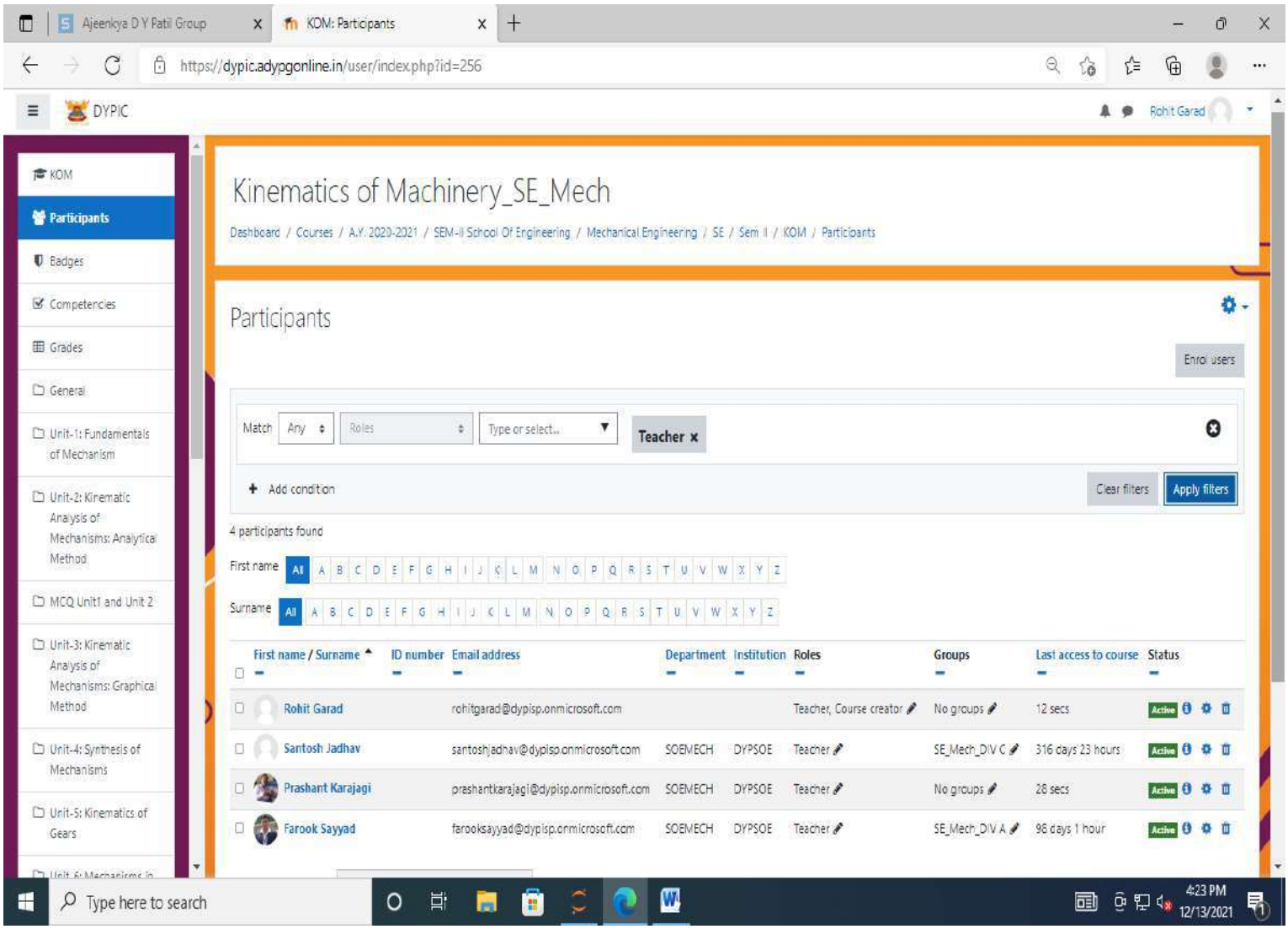

(2) | Microsoft Teams
teams.microsoft.com/_#/teamDashboard/DYPSOE-FE/19:yfePPB6OxOkX9Hb1Y6tmHIUhSC-qy7ucXUIuaxbof0E1@thread.tacv2/td.members
Microsoft Teams
Search
All teams
DYPSOE-FE
General
DYPSOE-FE
Note: Once your registration is complete, we will reach you via Mail. Dear all Greetings of the day!! We are happy to ...
Members
Channels
Settings
Analytics
Apps
Tags
Search for members
Add member
Owners (9)
VINOD TIRPUDE
Owner
Dr Rahulkumar Katk...
Owner
Shamkant Khairnar
FE HOD
Owner
shobha rupnar
Owner
BHAGWAT GIDHAD
Owner
AWES ANSARI
Owner
Members and guests (1)
Search the web and Windows
12:24
14-12-2021

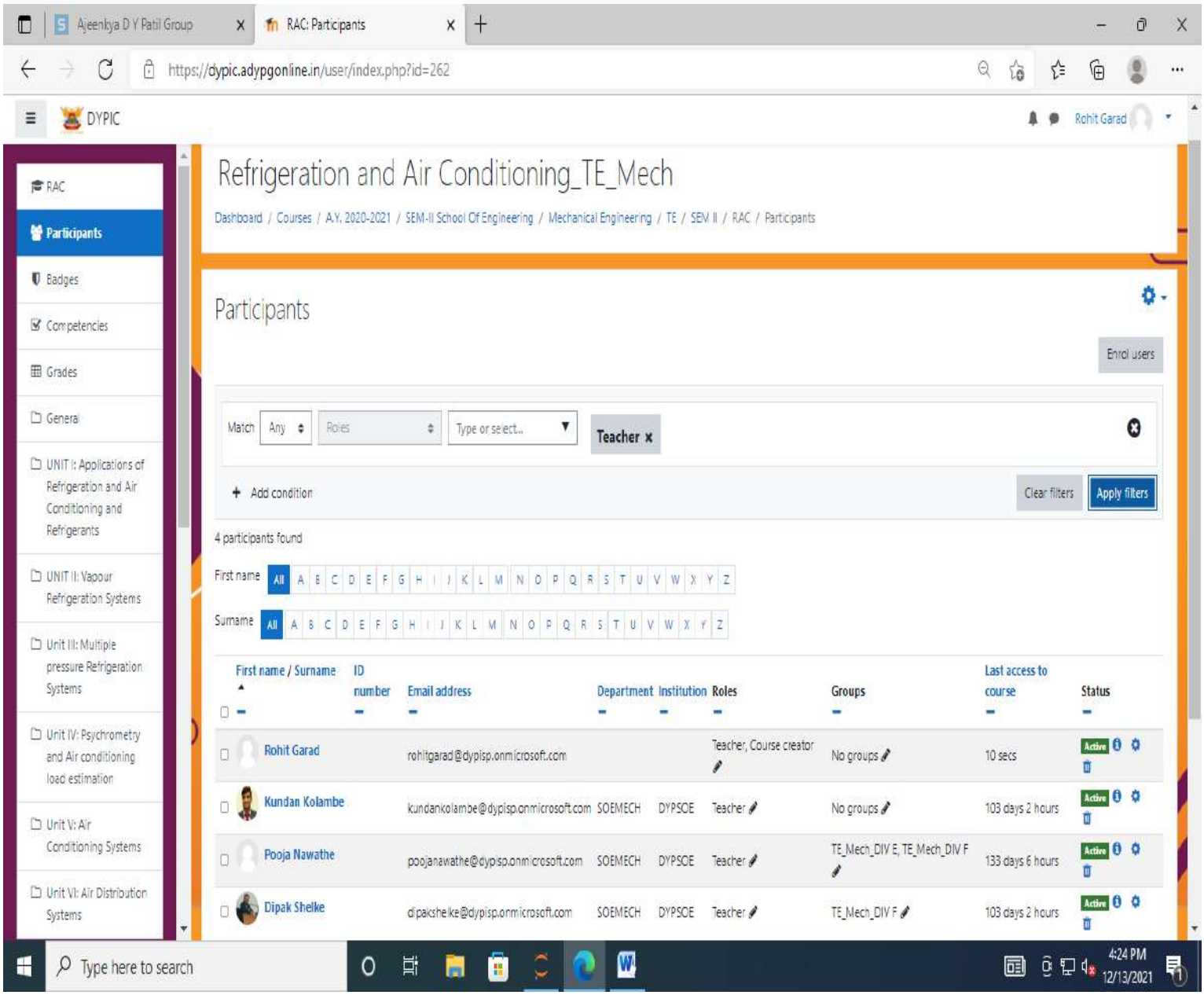

Ajeenkya D Y Patil Group
SM: Participants
https://dypic.adypgonline.in/user/index.php?id=110
DYPIC
Rohit Garad
SM
Participants
Badges
Competencies
Grades
General
Unit 1 Simple stresses and strains
Unit 2 Shear Force and Bending moment
Unit 3 Stresses in beams
Unit 4 Torsion of circular shafts
Unit 5 Principal stresses and theories of failure
Unit 6 Combined loading and stresses
SE C Div Solid mechanics online lect
SE_Solid Mechanics
Dashboard / Courses / A.Y. 2020-2021 / SEM I DATA (SOE & SOET) / SOE MECHANICAL / SM / Participants
Participants
Enrol users
Match Any Roles Type or select... Teacher x
Add condition
Clear filters
Apply filters
3 participants found
First name All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Surname All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
First name / Surname
ID number
Email address
Department
Institution
Roles
Groups
Last access to course
Status
Rohit Garad rohitgarad@dypisp.onmicrosoft.com Teacher, Course creator No groups 45 secs Active
Vikram Ghule vikramghule@dypisp.onmicrosoft.com SOEMECH DYPSOE Teacher SOE_Mechanical_SE_B, SOE_Mechanical_SE_C 21 days 20 hours Active
Santosh Jadhav santoshjadhav@dypisp.onmicrosoft.com SOEMECH DYPSOE Teacher SOE_Mechanical_SE_A 32 days 4 hours Active
Type here to search
4:14 PM
12/13/2021

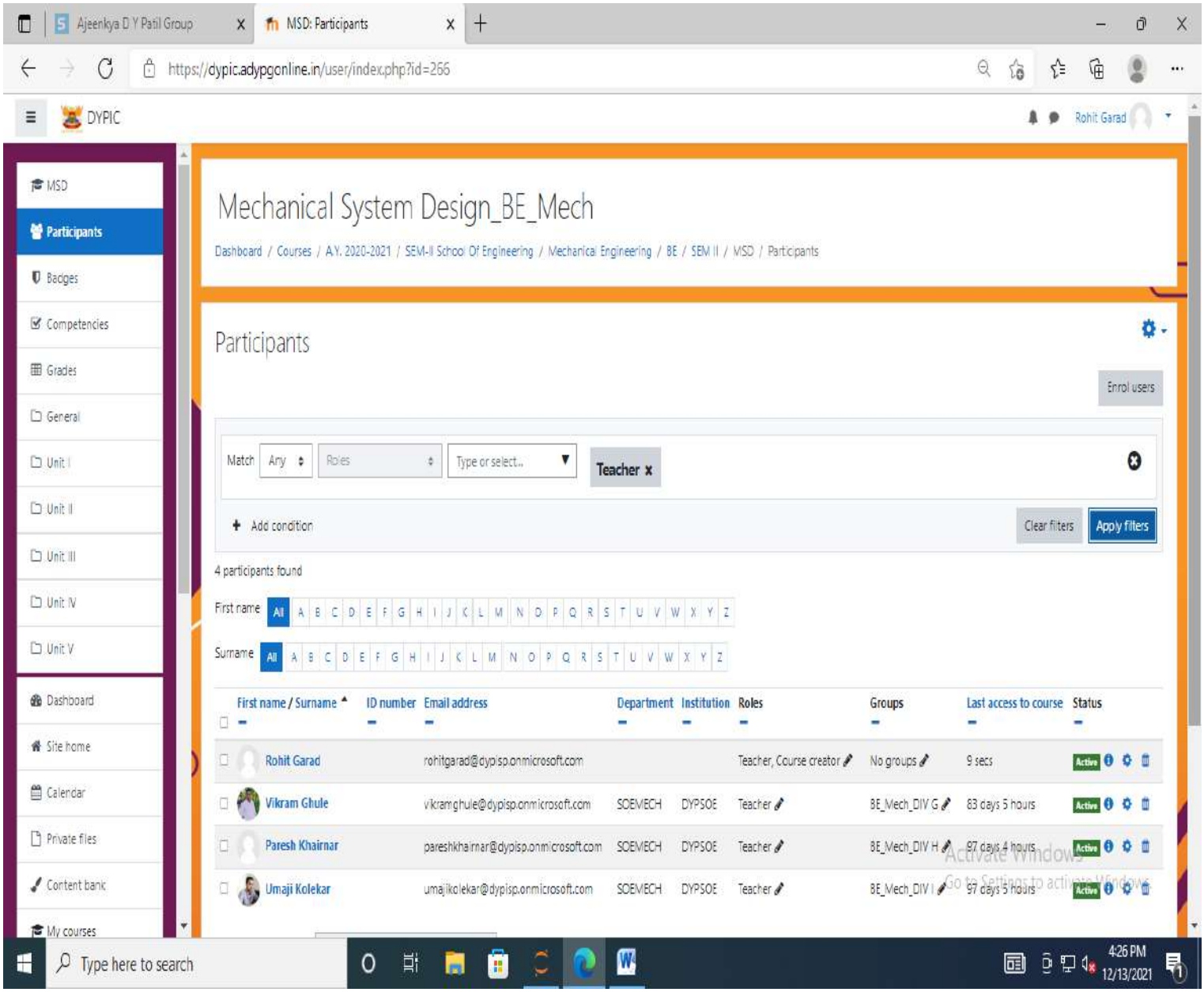

Ajeenkya D Y Patil Group
TMC: Participants
https://dypic.adypgonline.in/user/index.php?id=155
DYPIC
Rohit Garad
TMC
Participants
Badges
Competencies
Grades
General
unit 1
Unit 2
Unit 3
Unit 4
Unit 5
Unit 6
TMC Termwork submission Sem I 2020-21
Dashboard
Site home
TE_Turbo Machines
Dashboard / Courses / A.Y. 2020-2021 / SEM I DATA (SOE & SOET) / SOE MECHANICAL / TMC / Participants
Participants
Enrol users
Match Any Roles Type or select... Teacher ×
Add condition
Clear filters
Apply filters
3 participants found
First name All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Surname All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
First name / Surname
ID number
Email address
Department
Institution
Roles
Groups
Last access to course
Status
Anil L Bavche anilbavche@dypisp.onmicrosoft.com SOEMECH DYPSOE Teacher SOE_Mechanical_TE D 145 days 2 hours Active
Rohit Garad rohitgarad@dypisp.onmicrosoft.com Teacher, Course creator No groups 13 secs Active
Himani Kadam himanikadam@dypisp.onmicrosoft.com SOEMECH DYPSOE Teacher No groups 352 days 23 hours Active
Type here to search
4:18 PM
12/13/2021

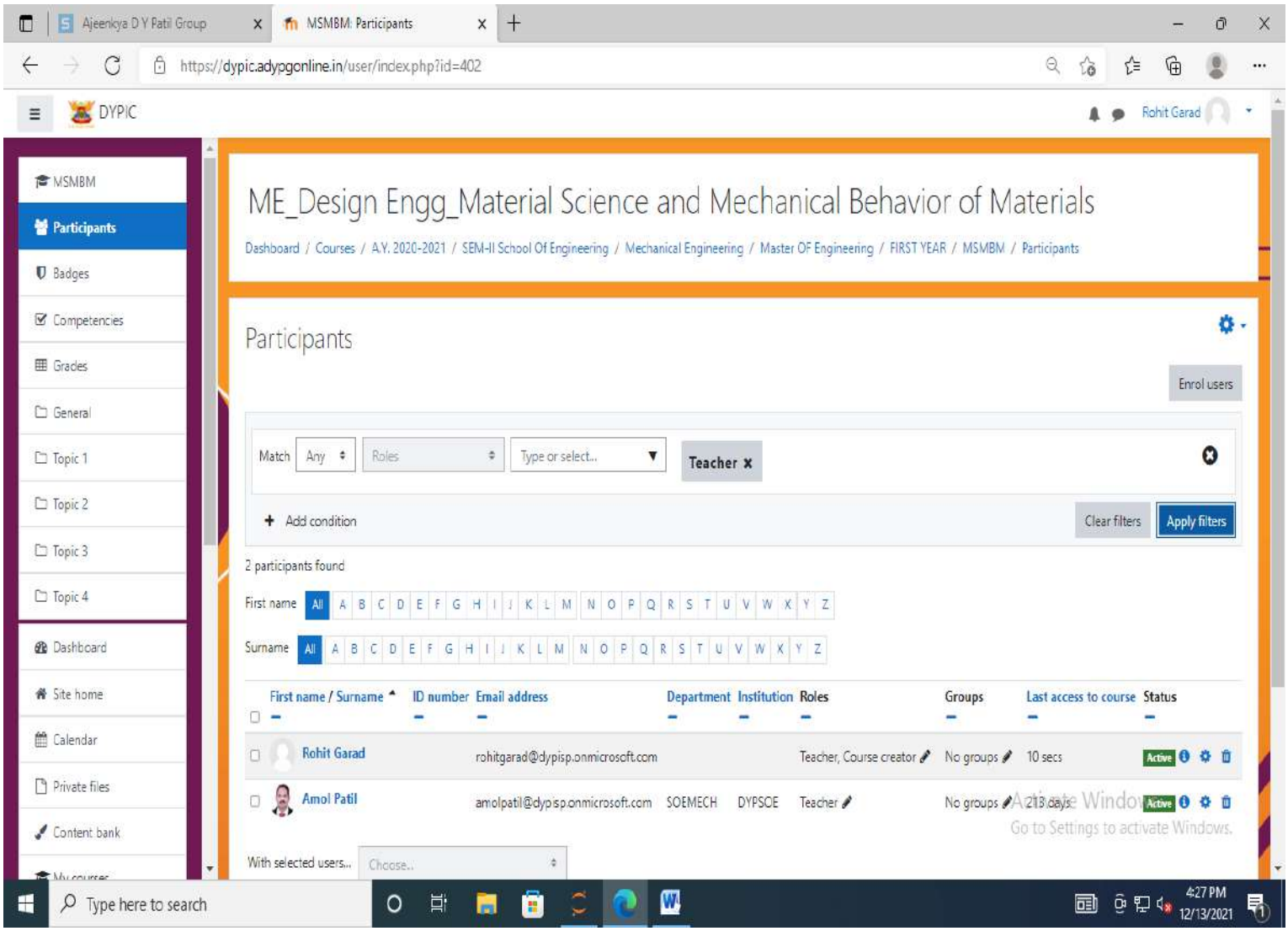

Ajeenkya D Y Patil Group
DOM: Participants
https://dypic.adypgonline.in/user/index.php?id=160
DYPIC
Rohit Garad
DOM
Participants
Badges
Competencies
Grades
General
Unit 1
Unit 2
Unit 3
Unit 4
Unit 5
Unit 6
Dashboard
Site home
Calendar
BE_Dynamics of Machinery
Dashboard / Courses / A.Y. 2020-2021 / SEM I DATA (SOE & SOET) / SOE MECHANICAL / DOM / Participants
Participants
Enrol users
Match Any Roles Type or select... Teacher ×
Add condition
Clear filters
Apply filters
3 participants found
First name All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Surname All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
First name / Surname
ID number
Email address
Department
Institution
Roles
Groups
Last access to course
Status
Rohit Garad rohitgarad@dypisp.onmicrosoft.com Teacher, Course creator No groups 14 secs Active
Umaji Kolekar umajikolekar@dypisp.onmicrosoft.com SOEMECH DYPSOE Teacher No groups 35 days 1 hour Active
Farook Sayyad farooksayyad@dypisp.onmicrosoft.com SOEMECH DYPSOE Teacher SOE_MECHANICAL_BE G 98 days 1 hour Active
Type here to search
4:20 PM
12/13/2021


Ajeenkya D Y Patil Group
MMC: Participants
https://dypic.adypgonline.in/user/index.php?id=207
DYPIC
Rohit Garad
MMC
Participants
Badges
Competencies
Grades
General
Fundamentals of Measurements
Fundamentals of interfacing of sensors with Microcontroller/computer
Modeling of Mechatronic Systems
Control using time domain
Control using Frequency Domain
Dashboard
SOE_SYME_DESIGN_Mechanical Measurements and Controls
Dashboard / Courses / A.Y. 2020-2021 / SEM I DATA (SOE & SOET) / SOE MECHANICAL / MMC / Participants
Participants
Enrol users
Match Any Roles Type or select... Teacher x
Add condition
Clear filters
Apply filters
3 participants found
First name All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Surname All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
First name / Surname
ID number
Email address
Department
Institution
Roles
Groups
Last access to course
Status
Rohit Garad rohitgarad@dypisp.onmicrosoft.com Teacher, Course creator No groups 10 secs Active
Parag Marathe paragmarathe@dypisp.onmicrosoft.com SOEMECH DYPSOE Teacher No groups 17 days 5 hours Active
Amol Patil amolpatil@dypisp.onmicrosoft.com SOEMECH DYPSOE Teacher No groups 104 days 4 hours Active
Type here to search
4:21 PM
12/13/2021


Ajeenkya D Y Patil Group
KOM: Participants
https://dypic.adypgonline.in/user/index.php?id=256
DYPIC
Rohit Garad
KOM
Participants
Badges
Competencies
Grades
General
Unit-1: Fundamentals of Mechanism
Unit-2: Kinematic Analysis of Mechanisms: Analytical Method
MCQ Unit1 and Unit 2
Unit-3: Kinematic Analysis of Mechanisms: Graphical Method
Unit-4: Synthesis of Mechanisms
Unit-5: Kinematics of Gears
Kinematics of Machinery_SE_Mech
Dashboard / Courses / A.Y. 2020-2021 / SEM-II School Of Engineering / Mechanical Engineering / SE / Sem II / KOM / Participants
Participants
Enrol users
Match Any Roles Type or select... Teacher ×
Add condition
Clear filters
Apply filters
4 participants found
First name All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Surname All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
First name / Surname
ID number
Email address
Department
Institution
Roles
Groups
Last access to course
Status
Rohit Garad rohitgarad@dypisp.onmicrosoft.com Teacher, Course creator No groups 12 secs Active
Santosh Jadhav santoshjadhav@dypisp.onmicrosoft.com SOEMECH DYPSOE Teacher SE_Mech_DIV C 316 days 23 hours Active
Prashant Karajagi prashantkarajagi@dypisp.onmicrosoft.com SOEMECH DYPSOE Teacher No groups 28 secs Active
Farook Sayyad farooksayyad@dypisp.onmicrosoft.com SOEMECH DYPSOE Teacher SE_Mech_DIV A 96 days 1 hour Active
Type here to search
4:23 PM
12/13/2021


Ajeenkya D Y Patil Group
RAC: Participants
https://dypic.adypgonline.in/user/index.php?id=262
DYPIC
Rohit Garad
RAC
Participants
Badges
Competencies
Grades
General
UNIT I: Applications of Refrigeration and Air Conditioning and Refrigerants
UNIT II: Vapour Refrigeration Systems
Unit III: Multiple pressure Refrigeration Systems
Unit IV: Psychrometry and Air conditioning load estimation
Unit V: Air Conditioning Systems
Unit VI: Air Distribution Systems
Refrigeration and Air Conditioning_TE_Mech
Dashboard / Courses / A.Y. 2020-2021 / SEM-II School Of Engineering / Mechanical Engineering / TE / SEM II / RAC / Participants
Participants
Enrol users
Match Any Roles Type or select... Teacher x
Add condition
Clear filters
Apply filters
4 participants found
First name All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Surname All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
First name / Surname
ID number
Email address
Department
Institution
Roles
Groups
Last access to course
Status
Rohit Garad rohitgarad@dypisp.onmicrosoft.com Teacher, Course creator No groups 10 secs Active
Kundan Kolambe kundankolambe@dypisp.onmicrosoft.com SOEMECH DYPSOE Teacher No groups 103 days 2 hours Active
Pooja Nawathe poojanawathe@dypisp.onmicrosoft.com SOEMECH DYPSOE Teacher TE_Mech_DIV E, TE_Mech_DIV F 133 days 6 hours Active
Dipak Shelke dipakshelke@dypisp.onmicrosoft.com SOEMECH DYPSOE Teacher TE_Mech_DIV F 103 days 2 hours Active
Type here to search
4:24 PM
12/13/2021


Ajeenkya D Y Patil Group
MSD: Participants
https://dypic.adypgonline.in/user/index.php?id=266
DYPIC
Rohit Garad
MSD
Participants
Badges
Competencies
Grades
General
Unit I
Unit II
Unit III
Unit IV
Unit V
Dashboard
Site home
Calendar
Private files
Content bank
My courses
Mechanical System Design_BE_Mech
Dashboard / Courses / A.Y. 2020-2021 / SEM-II School Of Engineering / Mechanical Engineering / BE / SEM II / MSD / Participants
Participants
Enrol users
Match
Any
Roles
Type or select...
Teacher x
Add condition
Clear filters
Apply filters
4 participants found
First name
Surname
First name / Surname
ID number
Email address
Department
Institution
Roles
Groups
Last access to course
Status
Rohit Garad
rohitgarad@dypisp.onmicrosoft.com
Teacher, Course creator
No groups
9 secs
Active
Vikram Ghule
vikramghule@dypisp.onmicrosoft.com
SOEMECH
DYPSOE
Teacher
BE_Mech_DIV G
83 days 5 hours
Paresh Khairnar
pareshkhairnar@dypisp.onmicrosoft.com
BE_Mech_DIV H
87 days 4 hours
Umaji Kolekar
umajikolekar@dypisp.onmicrosoft.com
BE_Mech_DIV I
97 days 5 hours
Activate Windows
Go to Settings to activate Windows.
Type here to search
4:26 PM
12/13/2021


Ajeenkya D Y Patil Group
MSMBM: Participants
https://dypic.adypgonline.in/user/index.php?id=402
DYPIC
Rohit Garad
MSMBM
Participants
Badges
Competencies
Grades
General
Topic 1
Topic 2
Topic 3
Topic 4
Dashboard
Site home
Calendar
Private files
Content bank
ME_Design Engg_Material Science and Mechanical Behavior of Materials
Dashboard / Courses / A.Y. 2020-2021 / SEM-II School Of Engineering / Mechanical Engineering / Master OF Engineering / FIRST YEAR / MSMBM / Participants
Participants
Enrol users
Match Any Roles Type or select... Teacher ×
Add condition
Clear filters
Apply filters
2 participants found
First name All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Surname All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
First name / Surname
ID number
Email address
Department
Institution
Roles
Groups
Last access to course
Status
Rohit Garad
rohitgarad@dypisp.onmicrosoft.com
Teacher, Course creator
No groups
10 secs
Active
Amol Patil
amolpatil@dypisp.onmicrosoft.com
SOEMECH
DYPSOE
Teacher
No groups
213 days
Active
With selected users...
Choose...
Activate Windows
Go to Settings to activate Windows.
Type here to search
4:27 PM
12/13/2021

A.Y. 2020-21

Teachers use ICT enabled tools for effective teaching-learning process.

(Criteria 2.3.1)

Attached samples of documents which shows

a) LMS teaching plan indicating supply of NPTEL video links

Dr. F. B. Sayyad

Principal

Enclosed: Records of activity done.

Name of Staff: Prof. Dipak Shelke

Div: SE-C

Sub : Engineering Thermodynamics

SEM-I

Sr No.	Unit wise Syllabus as Per SPPU	Topic	Source(Public domain-NPTEL videos/You tube/Papers etc)	URL	Duration	Description about the URL
1	Unit 1- Fundamentals of Thermodynamics	Introduction, Review of basic definitions, Zeroth law of Thermodynamics	NPTEL	https://www.youtube.com/watch?v=jkdMtmXo664&list=PL3zvA_WajfGAwLuULH-L0AG9fKDgplYne	33	Basic concept of thermodynamics
		Heat & work	NPTEL	https://www.youtube.com/watch?v=V2MnEJ3GMJk&list=PL3zvA_WajfGAwLuULH-L0AG9fKDgplYne&index=10	36	Explain with example Heat & Work
		, Macro and Microscopic Approach, State Postulate, State, Path, Process and Cycles, Point function and Path function, quasi static process, Equilibrium	NPTEL	https://in.video.search.yahoo.com/video/play;_ylt=AwrPhtupvENfbWUAoxEM9olQ;_ylu=X3oDMTBzZWQ1aGR0BHNlYwNzcgRzbGsDdmlkBHZ0aWQDBGdwb3MDMTI-?p=nptel+lecture+on+first+law+of+thermodynamics&vid=38b864f2f653d08d440178eca97bd404&turl=https%3A%2F%2Ftse3.mm.bing.net%2Fth%3Fid%3DOVP.cYYAfeZMBL0n5EV7N7LakAEsDh%26pid%3DApi%26h%3D225%26w%3D300%26c%3D7%26rs%3D1&rurl=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3DjkdMtmXo664&tit=%3Cb%3ELecture%3C%2Fb%3E+01+%3A+Introductory+Concepts&c=11&h=225&w=300&l=2005&sigr=ZeANDQPoa05e&sigt=Jsnibwo1BLjP&sigi=KJg5Q7PPVQI8&age=1547199346&fr2=p%3As%2Cv%3Av&fr=yhs-trp-001&hsimp=yhs-001&hspart=trp&tt=b	33 min	Gives in details introdictory basics concepts about thermodynamics like zeroth law ,Macro and Microscopic Approach, , quasi static process, Equilibrium
		First law of thermodynamics	NPTEL	https://www.youtube.com/watch?v=YJXKjh1qXYI&list=PL3zvA_WajfGAwLuULH-L0AG9fKDgplYne&index=14	30	Explain First law
		Application of first law to flow and non-flow Processes and Cycles. Steady flow energy equation (SFEE), Applications of SFEE to various devices such as Nozzle, Turbine, Compressors, Boilers	NPTEL	https://in.video.search.yahoo.com/yhs/search?fr=yhs-trp-001&hsimp=yhs-001&hspart=trp&p=nptel+lecture+on+first+law+of+thermodynamics#id=1&vid=852fe314f06dc44aecc0f68dbbd3adef&action=click	54 min	Explains in simple way about First law of Thermodynamics & SFEE
		Different form of Energy & First law	NPTEL	https://in.video.search.yahoo.com/yhs/search?fr=yhs-trp-001&hsimp=yhs-001&hspart=trp&p=nptel+lecture+on+first+law+of+thermodynamics#id=6&vid=2a6170dec4b4b3ee2ce2f27e2a86b6cf&action=view	60 min	Explain nicely about energy & first law
		Ideal Gas definition, Gas Laws: Boyle's law, Charle's law, Avagadro's Law, Equation of State, Ideal Gas constant and Universal Gas constant, Ideal gas Processes- on P-v and T-s diagrams, Constant Pressure, Constant Volume, Isothermal, Adiabatic, Polytropic, Throttling Processes (Open and Closed systems), Calculations of Heat transfer, Work done, Internal Energy.	NPTEL	https://www.youtube.com/watch?v=o9ueYSKj9og	59 min	Gives in details about ideal gas

Dr. D. Y. Patil School of Engg. Mech. Engg. Department

2	Unit-2 Ideal Gas and Second law of Thermodynamics	Limitations of first law of thermodynamics, ; Second law of Thermodynamics	NPTEL	https://in.video.search.yahoo.com/video/play;_ylt=AwrPhx520kNfXWAAvjUM9olQ;_ylu=X3oDMTBzcTEzcHZxBHNlYwNzcgRzbGsDdmlkBHZ0aWQDBGdwb3MDMjM-?p=nptel+lecture+on+first+law+of+thermodynamics&vid=96c01a760cf5313f3cfbfc7c1665268c&turl=https%3A%2F%2Ftse4.mm.bing.net%2Fth%3Fid%3DOVP.ZvCqTJH4rLJbcSB6Z3deqAEsDh%26pid%3DApi%26h%3D225%26w%3D300%26c%3D7%26rs%3D1&rurl=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3DF_flGosPY8o&tit=%3Cb%3ELecture%3C%2Fb%3E+33%3A+Introduction+to+Second+%3Cb%3ELaw%3C%2Fb%3E+%3Cb%3Eof%3C%2Fb%3E+%3Cb%3EThermodynamics%3C%2Fb%3E&c=22&h=225&w=300&l=2011&sigr=fW0L6eSyCzx5&sigt=NIKYzEqZZMuQ&sigi=wHBuKVrpkhJ7&age=1557145417&fr2=p%3As%2Cv%3Av&fr=yhs-trp-001&hsimp=yhs-001&hspart=trp&tt=b	33	Introduction of Second law of Thermodynamics
		PMM-II kind, Equivalence of the two statements; Clausius Inequality, Concept of Reversibility and Irreversibility, Carnot Theorem/Principles, Carnot Cycle.	NPTEL	https://www.youtube.com/watch?v=dvCggUOAMMU&list=PL3zvA_WajfGAwLuULH-L0AG9fKDgplYne&index=37	29	Carnot Theorem/Principles, Carnot Cycle.
		Concept of Reversibility and Irreversibility	NPTEL	https://www.youtube.com/watch?v=jmjFbJSdFgQ&list=PL3zvA_WajfGAwLuULH-L0AG9fKDgplYne&index=36	31	Factors for Irreversibility and Introduction to Reversible Cycles
		Thermal reservoir, Heat Engine, Refrigerator and Heat pump: Schematic representation, Efficiency and Coefficient of Performance (COP), Kelvin-Planck & Clausius Statement of the Second law of Thermodynamics	NPTEL	https://www.youtube.com/watch?v=dkm2NO97lMk&list=PL3zvA_WajfGAwLuULH-L0AG9fKDgplYne&index=34	27	Second law statements -Kelvin-Planck & Clausius Statement of the Second law of Thermodynamics
3	Entropy and Availability	Entropy as a property, Clausius Inequality,	NPTEL	https://www.youtube.com/watch?v=AyJbCutoWg4&list=PL2_EyjPqHc10CTN7cHiM5xB2qD7BHUry7&index=16&t=0s	37	Explain Entropy & Clausius Inequality
		Principle of increase of Entropy Principle, Entropy changes for an Open and Closed System, Change of Entropy for an ideal gas and Pure Substance, Concept of Entropy generation. Entropy - a measure of Disorder.	NPTEL	https://www.youtube.com/watch?v=ArAkOiVqL4Q&list=PL2_EyjPqHc10CTN7cHiM5xB2qD7BHUry7&index=16	31	Explain entropy change of closed system & some problems
		Entropy as a property, Clausius Inequality,	NPTEL	https://www.youtube.com/watch?v=c5v1b5pCL40	33	Explain Entropy & Clausius Inequality
		Available and Unavailable Energy, Concept of Availability, Availability of heat source at constant temperature and variable temperature, Availability of non-flow and steady-flow Systems.	NPTEL	https://www.youtube.com/watch?v=XnCJo8318sQ&list=PL3zvA_WajfGAwLuULH-L0AG9fKDgplYne&index=53	29	Detailed Concept of Availability & Unavailability
		Availability of heat source at constant temperature and variable temperature	NPTEL	https://www.youtube.com/watch?v=QKP5JzselwE&list=PL3zvA_WajfGAwLuULH-L0AG9fKDgplYne&index=54	31	Detailed Concept of Availability & Unavailability

4	Properties of Pure substances & Thermodynamics of Vapour Cycle	Properties of steam	NPTEL Video	https://nptel.ac.in/courses/112/105/112105266/	34 min	with example different property of steam is discuss
		Use of Steam Tables.	NPTEL Video	https://nptel.ac.in/courses/112/105/112105266/	37 min	discuss about how to use of steam table with some numerical
		Formation of steam, Phase changes, Properties of steam	NPTEL Video	https://nptel.ac.in/courses/112/102/112102255/	32 min	explain process of formation of steam,phase change process of steam
		Study of P-v, T-s and h-s plots (Mollier Chart) for steam,	NPTEL Video	https://nptel.ac.in/courses/112/102/112102255/	31 min	explain how to plot p-v, T-s and h-s graph and explain how to use Mollier chart to solve the numerical.
		Carnot cycle	NPTEL Video	https://nptel.ac.in/courses/112/103/112103277/	18 min	explain carnot cycle with example
		Rankine Cycle,Efficiency of Rankine Cycle, Relative Efficiency	NPTEL Video	https://nptel.ac.in/courses/112/103/112103277/	35 Min	Detail explanation of Rankine cycle
5	Fuels and Combustion	Rankine Cycle with superheat	NPTEL Video	https://nptel.ac.in/courses/112/103/112103277/	28 min	Rankine Cycle with superheat
		Numericals on Rankine cycle	NPTEL Video	https://nptel.ac.in/courses/112/107/112107216/	29 Min	sovle the problem on rankine cycle
		Comparison of Carnot cycle and Rankine cycle	youtube video	https://www.youtube.com/watch?v=TE95-CCh5Ds	40 min	Detail explantion of both the cycle
		Types of fuels	NPTEL PDF	https://nptel.ac.in/courses/103/105/103105110/		Explain solid, liquid and gases fuel in detail
		Proximate and ultimate analysis of fuel, Combustion theory, Combustion Equations, Theoretical and Excess air requirements, Equivalence ratio, Analysis of products of combustion,Calorific value - HCV & LCV. Bomb and Boys gas Calorimeters.	NPTEL Video	https://nptel.ac.in/courses/112/107/112107216/	28 min	Explai in simple way about fuel analysis ,comustion theory and related terms and working of Bomb , gas calorimeter to find the CV.
		Numericals on Fuel gas analysis	NPTEL Video	https://nptel.ac.in/courses/112/107/112107216/	24 min	solve numeical on gas analysis and calorimeter
6	Steam Generators & Boiler Draught	Enthalpy of formation, Adiabatic flame temperature	NPTEL Video	https://www.youtube.com/watch?v=xSTGLew4A4s	28 min	explain formation of enthalpy and adibatic flame temp with example
		Classification, Constructional details of low pressure boilers,	NPTEL Video	https://nptel.ac.in/courses/112/103/112103277/	28 min	Explain types of boiler in details
		Boiler mountings and Boiler accessories	NPTEL Video	https://www.youtube.com/watch?v=2zpjqv6RAX4	33 Min	explain indetail Boiler accessories
		Instrumentations required for safe and efficient operation	NPTEL Video	https://nptel.ac.in/courses/112/107/112107216/	28 min	Gives detail explanaton of boiler mounting and accessories like
		Boiler performance Calculations-Equivalent Evaporation, Boiler efficiency, Heat balance Sheet.	NPTEL Video	https://nptel.ac.in/courses/112/107/112107216/	28 min	Explain boiler performance term and numerical on it.
		Boiler Draught: Classification, Necessity of Draught, Natural draught, Determination of Height of chimney, Diameter of chimney,	NPTEL Video	https://nptel.ac.in/courses/112/107/112107216/	25 min	Explain draught its type and expression for chimney height

Subject Teacher
Prof. Dipak D. Shelke

D. Y. Patil School of Engg. Mech. Engg. Department PUNE

H. O. D.
Dept. of Mechanical Engg.
Dr. D. Y. Patil School of Engg., Lohegaon, Pune

HOD
Prof.R.N.Garad

Dr. D. Y. Patil School of Engineering, Pune

Department of Electronics and Telecommunication Engineering

Class: TE (E&TC) A.Y. 2020-21 Sem:I

Subject: Mechatronics Name of Teacher: Dr. Saniya Ansari

LMS Teaching Plan

Number & Name of Unit	Topic/Content	Domain)	URL	Duration	Description
Unit I :Introduction to Mechatronics	Basics of Mechtronics Systems : Definition of Mechtronics, Key	NPTEL	https://nptel.ac.in/content/storage2/courses/112103174/module1/lec1/1.html https://nptel.ac.in/content/storage2/courses/112103174/pdf/mod1.pdf	Page 1 to 8	Information about the elements of Mechatronics and
	Measurement Characteristics	NPTEL	https://nptel.ac.in/courses/108/105/108105062/ https://nptel.ac.in/content/storage2/courses/112103174/pdf/mod2.pdf	Page no 1 to 7	Measurement characteristics
	Examples of Mechtronics systems in daily life as Digital Cameras	YouTube	https://www.youtube.com/watch?v=kP6TmDUiiRc	39	Working of Digital camera
	Mechtronics design process	YouTube	https://www.youtube.com/watch?v=pn0d1gjL7Vs	10 Min	Gives flow of Mechtronics design process
	phases of Mechtronics design process, integrated design approach.	YouTube	https://www.youtube.com/watch?v=B7S_StbcaYc&t=325s	14 Min	Integrayed desogn approach of mechatronics system
	Mechanical Components and Servo mechanism :	www.slideshare.net	https://www.slideshare.net/meenasundar/lecture-2-servomotors-basics-working	PPT	Concept of Servomechanism
	Mechanical System and Motion, Mass Inertia and Dashpot, Gears,	NPTEL	https://nptel.ac.in/content/storage2/courses/112105127/pdf/LM-32.pdf https://n	9 min	Types of Gears
Unit II :Overview of Sensors, Transducers and their Characteristics Specifications	Classification and selection of transducers:	NPTEL	https://nptel.ac.in/courses/108/108/108108147/ https://nptel.ac.in/courses/108/108	03 to 15 Min	selection criterion for transducers
	Force: Load Cell, Cantilever Beam	NPTEL	https://nptel.ac.in/courses/108/108/108108147//	18 to 28 Min	Details and types of load cell
	Pressure:Strain Gauge, Piezoelectric	NPTEL	https://nptel.ac.in/content/storage2/courses/108105063/pdf/L-05(SS)(IA&C)%20((EE)NPTEL).pdf	Page No 2-15	Application and types of pressure guage
	Proximity sensors Inductive, Capacitive and Magnetic,	NPTEL	http://www.nptelvideos.in/2012/11/industrial-automation-and-control.html?m=1	08 to 21 Min	Proximity sensors, use and types
	sources detectors in optical proximity sensors	NPTEL	https://nptel.ac.in/content/storage2/courses/112103174/pdf/mod2.pdf	Page No. 08-10	optical sensor for maesurment of temperature
	Comparison of Various proximity sensors	NPTEL	https://nptel.ac.in/content/storage2/courses/112103174/pdf/mod2.pdf	Page No. 03-14	Comparision
	Optical Fibre and its use in temperature measurement, Fibre Optic Temperature sensors,	NPTEL	http://www.nptelvideos.in/2012/11/industrial-automation-and-control.html?m=1	06 to 25 Min	Description of optical temp sensor
	Ultrasonic Transducersfor applications as position, level, flow	NPTEL	https://nptel.ac.in/content/storage2/courses/108105063/pdf/L-07(SS)(IA&C)%20((EE)NPTEL).pdf	Page No. 02-15	Application of US transducers for level, flow and level
	Gas sensors,Wind sensors	NPTEL	https://nptel.ac.in/courses/108/108/108108147/	5:00 to 12:00 Min	Types
	Gyroscope, Accelerometer, Magnetometer	NPTEL	https://nptel.ac.in/courses/108/108/108108147/	15:00 to 42:00 Min	Smart sensors in Mobile
	Smart Sensors - Film sensor	NPTEL	http://www.nptelvideos.in/2012/11/industrial-automation-and-control.html?m=1	6:00 to 25:00 Min	Use and application
	IR- temperature sensors	NPTEL	https://nptel.ac.in/courses/108/108/108108147//	04 to 12 Min	IR temp Sensor block diagram

	Rotary Optical Encoder	NPTEL	http://www.nptelvideos.in/2012/11/industrial-automation-and-control.html?m=1	06 to 14 Min	Smart sensors
	Introduction to MEMS& Nano Sensors	NPTEL	http://www.nptelvideos.in/2012/12/mems-microsystems.html?m=1	08 to 21 Min	Types of Nano Sensors
Unit III : Hydraulic Systems	Introduction to Hydraulic Actuators	NPTEL	https://youtu.be/8xd7cWvMrvE https://nptel.ac.in/courses/112/103/112103174/	7:00 to 32:00 Min	Block diagram and components study
	Fluid Power systems:Concept of Actuators, Classification of Actuators: Pneumatic, Hydraulic and Electrical Actuators	YouTube	https://youtu.be/8xd7cWvMrvE	7:00 to 32:00 Min	BD of Fluid power system
	Hydraulic Systems: Physical Components of a Hydraulic systems	NPTEL	https://nptel.ac.in/content/storage2/courses/112106175/Module%201/Lecture%201.pdf	Point No. 1.7 to 1.10	Components of Hydraulic suystem
	Hydraulic Pumps (e.g. Gear Pumps, Vane Pumps, Piston Pumps and Axial Piston Pumps) ,	NPTEL	https://nptel.ac.in/content/storage2/courses/108105063/pdf/L-27(SM)%20(IA&C)%20((EE)NPTEL).pdf https://www.iitism.ac.in/~shibayan/MMC%2016101%20Fluid%20Machines/MMC%2016101_Positive%20Displacement%20Pump_01.pdf https://nptel.ac.in/courses/112/103/112103174/	Page No. 8 to 11 Lecture - 02 Lecture - 03	Hydraulic pumps & types
	Filters and Pressure Regulation	NPTEL	"https://nptel.ac.in/content/storage2/courses/108105063/pdf/L-27(SM)%20(IA&C)%20((EE)NPTEL).pdf		Pressure regulation method
	Relief Valve,	NPTEL	https://nptel.ac.in/content/storage2/courses/103103027/module9/lec3/3.html https://nptel.ac.in/courses/112/103/112103174/	Page No. 03 Lecture - 6 - Presure Relief Valve	Study of relief valve
	Accumulator	YouTube	https://youtu.be/uMFVUukXfQA https://www.hydraulicspneumatics.com/technologies/other-technologies/article/21884186/chapter-16-accumulators	00: o 2.43 Min	Classification with example
Unit IV : Pneumatic Systems	Introduction to Pneumatic a Actuators Physical Components of a Pneumatic Systems	NPTEL	https://youtu.be/AUxnieYWCck https://nptel.ac.in/content/storage2/courses/112103174/pdf/mod6.pdf https://youtu.be/i9A0HpfWF0s https://nptel.ac.in/courses/112/103/112103174/	Page No. 1 - 4 1 to 21 Min Module - 6 - Lect-01	Physical Components of a Pneumatic System
	Pneumatic Cylinders	NPTEL	https://nptel.ac.in/content/storage2/courses/112106175/downloads/Module%204/FAQ/FAQ-Lecture%2037.pdf	Page No. 1	Types : Single and double stge
	Pneumatic Actuators	NPTEL	https://nptel.ac.in/content/storage2/courses/112103174/pdf/mod6.pdf	Page No. 21 - 26	Spring Actuator and Spring Actuator with positioner
	Air compressor	NPTEL	https://nptel.ac.in/content/storage2/courses/112103174/pdf/mod6.pdf https://youtu.be/i9A0HpfWF0s https://youtu.be/i9A0HpfWF0s https://nptel.ac.in/courses/112/103/112103174/	Page No. 3 - 9 21 to 53 Min Module - 6 - Lect 01 & 02	Working and types Air and rotary
	Air Receiver	NPTEL	https://nptel.ac.in/courses/112/103/112103174/	Module - 6 - Lect 03	Working and types
	Air Dryer	NPTEL	https://www.hydraulicspneumatics.com/fluid-power-basics/pneumatics/article/21883028/compressedair-dryers https://nptel.ac.in/courses/112/103/112103174/	Module - 6 - Lect 03	Working and types
	Air Service Treatment	NPTEL	https://nptel.ac.in/content/storage2/courses/112103174/pdf/mod6.pdf	Page No. 16	air regulator and Gauge, Air Lubricator and Pressure regulation
	Intake and Air Filter	NPTEL	https://nptel.ac.in/content/storage2/courses/112103174/pdf/mod6.pdf	Page No. 11 - 12	BD of Air Filter with types

D.Y.Patil School of Engineering
Dept. of E&TC
Pune

	Case study of Robotic Pick and Place robot	NPTEL	https://nptel.ac.in/content/storage2/courses/112101098/download/lecture-39.pdf	Page No. 01 - 09	Case study
Unit V : Electrical Actuators, Electron-Mechanical Actuators	Selection criteria and specifications of stepper motors	NPTEL	https://nptel.ac.in/content/storage2/courses/108105063/pdf/L-32(SS)(IAC)%20((EE)NPTEL).pdf	Page No. 01 - 14	Selection criteria and specification
	solenoid valves,relays	NPTEL	https://nptel.ac.in/content/storage2/courses/108101039/download/Lecture-1.pdf	Page No. 03 - 06	Solid State relays and Electromechanical relay
	Selection Criterion of control valve	NPTEL	https://nptel.ac.in/content/storage2/courses/108105063/pdf/L-25(SS)(IAC)%20((EE)NPTEL).pdf	Page No. 03 - 11	Selection Criterion of control valve
	Single acting and Double acting Cylinders.	NPTEL	https://youtu.be/O_2BZs3WiQY https://nptel.ac.in/courses/112/103/112103174/	00 : 2.50 Min Module - 6 - Lect-04	Types of cylinder
	Valves: Electro Hydraulic	NPTEL	https://youtu.be/7J_xxspZYZY https://www.hydraulicspneumatics.com/technologies/other-technologies/article/21884325/book-2-chapter-8-directional-control-valves https://nptel.ac.in/courses/112/103/112103174/	00 : 1:28 Min Lecture - 4 - Control Valves-1	3/2 Valves, 4/2 Valves, 5/3 Valves
	Electro-Pneumatic Cables	NPTEL	https://nptel.ac.in/content/storage2/courses/106105080/pdf/M2L2.pdf	Page No. 03 - 15	Power cable and Signal cables
Unit VI :Mechatronics Systems in Automobile	Boat Autopilot	Wiki	https://marinegyaan.com/what-is-autopilot-its-principle-and-details/	Web Doc	case Study
	High Speed tilting trains				
	Automatic car parking systems	IEEE	https://ieeexplore.ieee.org/document/6921729	Page 1to 3	case Study
	Engine Management Systems	Researchgate	https://www.researchgate.net/publication/222531260_Mechatronic_design_approach_for_engine_management_systems https://youtu.be/3hx_jKpuxRc	Article	case Study
	Antilock Brake systems (ABS)	IEEE	https://aermech.com/anti-lock-braking-system-abs-working/	Web Doc	case Study
	CNC Machines(Only Black Diagram and explaination)	NPTEL	https://nptel.ac.in/content/storage2/courses/112103174/pdf/mod1.pdf	Page No. 10 - 11	case Study

Subject teacher

Dr. D.Y. Patil School of Engineering Dept. of E&TC Pune

H.O.D.
Dept. of E. & T.C. Engineering
Dr. D.Y. Patil School of Engg., Lohegaon

Dr. D. Y. Patil School of Engineering, Pune

Department of Civil Engineering

Class: TE (Civil) A.Y. 2020-21 Sem:II

Subject: Hydrology and Water Resources Engineering Name of Teacher: Mr. Rajesh Katdare

LMS Teaching Plan

Name of Unit	Topic/Content	Source (From Public Domain)	URL	Duration	Description
Unit I :Introduction to Air,Noise pollution	1) Introduction to Air and Noise pollution Sources and effects of Noise Pollution.	NPTEL IIT Roorkee-Transcript	https://nptel.ac.in/courses/105/107/105107207/		Importance of Air and noise pollution
		NPTEL IIT Roorkee-Video	https://nptel.ac.in/courses/105/107/105107207/	Page [1-17]	Importance of Air and noise pollution
		YouTube	https://www.youtube.com/watch?v=s2TmTDCIC A8	0.01-12.17	1.Basics of Air pollution 2. Basics of noise pollution
	2) Sound measurements – Sound pressure, Intensity, Sound pressure level, Loudness etc.	NPTEL IIT Roorkee Video	https://www.youtube.com/watch?v=lvyUCk5_tEw	0.01-5.17	Sound measurment methods
		YouTube	https://www.youtube.com/watch?v=lvyUCk5_tEw	0.01-5.01	Sound measurments and noise control
	3) Measurement of equivalent noise level and Cumulative noise level	Telegram	https://t.me/Civil_Engineering_Mcq_Group	0-3 hrs	
	4) Learning Noise control techniques.	NPTEL IIT Roorkee Video	https://www.youtube.com/watch?v=lvyUCk5_tEw	0.01-5.17	Sound measurment methods
		YouTube	https://www.youtube.com/watch?v=lvyUCk5_tEw	0.01-5.01	Learning techniques of noise pollution
	5) Classification of air pollutants, Primary and Secondary air pollutants and their importance	NPTEL web content	https://nptel.ac.in/courses/105/102/105102089/	chapter 1-3	Primary and secondary pollutants
		YouTube	https://www.youtube.com/watch?v=4AuwG2G_E BU&list=PLF5457B8AE71519DE	0.1-48.0	
	6) Principle and working of Settling chamber, Cyclone precipitator, Fabric filter, ESP, Settling chamber etc	NPTEL IIT Delhi	https://nptel.ac.in/courses/105/102/105102089/	chapter 4-6	Air pollution preventing equipments
	7) Principle and working of Gaseous contaminants control by adsorption and absorption technique	NPTEL IIT Delhi	https://nptel.ac.in/courses/105/102/105102089/	chapter 7-8	Use of Adsoption techniques to reduce gaseous pollutants
	8) Revision and class test	Telegram MCQs on Air pollution	https://t.me/Civil_Engineering_Mcq_Group	0-3 hrs	Test
Unit II: Introduction to water supply scheme	9) Introduction to water supply scheme its Type Rural, Urban and Regional Rural etc.	NPTEL IIT Kanpur Web content	https://nptel.ac.in/courses/105/104/105104102/	Section1	Types of wayer supply schemes
	10) Data collection for water supply scheme, components and layout, Design period, factors affecting design period.	NPTEL IIT Kanpur Web content	https://nptel.ac.in/courses/105/104/105104102/	Section-1	Norms od design of water supply schemes
	11) Study of water Intake Structures, General design considerations and its types	NPTEL IIT Kanpur Web content	https://nptel.ac.in/courses/105/104/105104102/	Section-2	Type of River intake, infiltration and well works
	12) Principle and design of River intake, Canal Intake and Reservoir Intake.	NPTEL IIT Kanpur Web content	https://nptel.ac.in/courses/105/104/105104102/	Section-2	Design of River intake, infiltration and well works
	13) Designing of rising main (design expected), hydraulic design of pumping station	NPTEL IIT Kanpur Web content	https://nptel.ac.in/courses/105/104/105104102/	Section-3	Rising main pipeline design
	14) Methods to calculate quantity of water, Rate of water consumption for various purposes like domestic, industrial, institutional, commercial, fire demand and water system losses. Factors affecting rate of demand	NPTEL IIT Kanpur Web content	https://nptel.ac.in/courses/105/104/105104102/	Section-4	Calculate requirment of water for design of water supply scheme
		U Tube	https://www.youtube.com/watch?v=HMxUb1_v_0E	0.1-12.27	
	15) Population forecasting using different methods like arithmetic mean, Geometric mean ,Incremental increse etc.	NPTEL IIT Kanpur Web content	https://nptel.ac.in/courses/105/104/105104102/	Section 2-3	Methods of population forecast
	16) Revision and class test	Telegram MCQs on water requirement	https://t.me/Civil_Engineering_Mcq_Group	294 videos,300000 photos	MCQ type tests
Unit III: Quality of water	17) Quality of water : study of Physical, Chemical, Radioactivity and Bacteriological Characteristics of water	NPTEL IIT Kanpur Web content	https://nptel.ac.in/courses/105/104/105104102/	Section 4-5	Study of Pollution of water
	18) Standards as per IS: 10500 (2012) And necessity to maintain Standards.	Open source on Google, PDF	https://law.resource.org/pub/in/bis/S06/is.10500.1991.pdf	Page [1-17]	Study of standards for water supply and treatment
	19) Water treatment: Principles of water treatment processes	NPTEL IIT Kanpur Web content	https://nptel.ac.in/courses/105/104/105104102/	Section 6	Water treatment processes
	20) Introduction to different types of water treatment flow sheets.	NPTEL IIT Kanpur Web content	https://nptel.ac.in/courses/105/104/105104102/	Section 7	water treatment flowsheet
	21) Aeration: Principle and Concept, Necessity, Methods, Removal of taste and odour. Design of aeration fountain.	NPTEL IIT Kanpur Web content	https://nptel.ac.in/courses/105/104/105104102/	Section 7	Details of Aeration in water treatment
	22) Sedimentation: Plain and chemical assisted Using flocculants etc.	NPTEL IIT Kanpur Web content	https://nptel.ac.in/courses/105/104/105104102/	Section 8	Sedimentation process details
	23) Principle, efficiency of an ideal settling basin, settling velocity, types of sedimentation tanks	NPTEL IIT Kanpur Web content	https://nptel.ac.in/courses/105/104/105104102/	Lecture 8	Four types of settling
		YouTube video	https://www.youtube.com/watch?v=wH3LDTQM5Ys	0.1-19.1	
	24) Design of Sedimentation tank, Introduction & design of tube settlers.	NPTEL IIT Kanpur Web content	https://nptel.ac.in/courses/105/104/105104102/	Section 9	Design of Tube settlers and sedimentation tank
		YouTube video	https://www.youtube.com/watch?v=wH3LDTQM5Ys	0.1-19.1	

Unit IV: treatment of water	25) Theory of Coagulation and Flocculation	NPTEL IIT Kanpur Web content	https://nptel.ac.in/courses/105/104/105104102/	Section 9	Process of coagulation and floculation
	26) Types of common coagulants alum & ferric salts, introduction to other coagulant aids like betonies clay, lime stone, silicates and polyelectrolyte's, Moringa olcifera etc.	NPTEL IIT Kanpur Web content	https://nptel.ac.in/courses/105/104/105104102/	Section 10	Types of coagulats and polyelectrolytes for coagulation floculation
	27) Importance of mean velocity gradient "G" and power consumption, Type and design of flocculation chamber	NPTEL IIT Kanpur Web content	https://nptel.ac.in/courses/105/104/105104102/	Section 10	Study of design parameters of Floculator
		YouTube Video	https://www.youtube.com/watch?v=ffqG7QPEHS0	0.12-10.55	
	28) Design of clarifloculator	YouTube Video	https://www.youtube.com/watch?v=Wu3HAE-SP_o	0.01-32.2	Study of design parameters of clar floculator Floculator
	29) Filtration: Theory of filtration, mechanism of filtration, filter materials etc	NPTEL IIT Kanpur Web content	https://nptel.ac.in/courses/105/104/105104102/	Section 11	Theoru of filration
	30) Types of filters- Rapid gravity filter, slow sand filter and pressure filter, multimedia and dual media filters.	NPTEL IIT Kanpur Web content	https://nptel.ac.in/courses/105/104/105104102/	Section 12	Types of filters
	31) Components and under drain system of filters working and cleaning of filters, operational troubles, Design of rapid sand gravity filters etc.				Details of filters and its working
	32) working and cleaning of filters, operational troubles, Design of rapid sand gravity filters etc.	NPTEL IIT Kanpur Web content	https://nptel.ac.in/courses/105/104/105104102/	Section 12	
		U Tube Video	https://www.youtube.com/watch?v=mfrw8FuOcQ0	0.1-11.25	
Unit V: Disinfection	33) Disinfection: Theory, factors affecting disinfection, types of disinfectants	NPTEL IIT Roorkee Web content	https://nptel.ac.in/courses/105/104/105104102/	Section-13	Disinfection of water
		U Tube Video (IIT Roorkee)	https://www.youtube.com/watch?v=A1R-whTGWLM	0.0-38.47	
	34) Methods of chlorination, break point chlorination, bleaching powder estimation	NPTEL IIT Roorkee Web content	https://nptel.ac.in/courses/105/104/105104102/	Section-13	Cjolrine as disinfectant
		U Tube Video (IIT Roorkee)	https://www.youtube.com/watch?v=A1R-whTGWLM	0.0-38.47	
	35) Introduction, Principles, Advantages and Disadvantages of Water softening methods: (lime-soda, zeolite)	NPTEL IIT Roorkee Video	https://nptel.ac.in/courses/105/104/105104102/	Lecture 46-50	Advance water treatment techniques and water softning process
		U Tube Video	https://www.youtube.com/watch?v=TtqFbd70c	0.1-01.00.02	
	36) Demineralization: Methods like Reverse Osmosis .	NPTEL IIT Roorkee Video	https://nptel.ac.in/courses/105/107/105107207/	Lecture 53	Oeverse osmosis process for water treatment
	37) Methods of electro dialysis	NPTEL IIT Roorkee Video	https://nptel.ac.in/courses/105/107/105107207/	Lecture 46-51	Electro dialysis process for water treatment
	38) Methods of ion exchange	NPTEL IIT Roorkee Video	https://nptel.ac.in/courses/105/107/105107207/	Lecture 54	Ion exchange process for water treatment
	39) Adsorption: odour and colour removal using activated carbon	NPTEL IIT Roorkee Video	https://nptel.ac.in/courses/105/107/105107207/	Lecture 51	Adsorption process for water treatment
	40) Revision and class test	Telegram	https://t.me/wwlvg	0-3 hrs	Question Answere sessions and MCQ type
Unit V: Advance water treatment methodologies	41)Study of Water distribution system. System of water supply- Continuous and intermittent system	NPTEL IIT Kanpur Web content	https://nptel.ac.in/courses/105/104/105104102/	Section 5(1)	Water distribution system design
	42) Different distribution systems and their components. ESR- Design of ESR capacity. Wastage of Water- Detection and Prevention.	NPTEL IIT Kanpur Web content	https://nptel.ac.in/courses/105/104/105104102/	Section 5(2)	Storage of water and wastage prevention due to leakage in pipe and containers
	43) Introduction to rainwater harvesting, need and importance of rain water harvesting system	YouTube Video	https://www.youtube.com/watch?v=cdHwuvXKUDQ	0.1-9.20	Rain water harvesting
	44) Introduction to Packaged WTP in townships and big commercial plants	YouTube Video	https://www.youtube.com/watch?v=0M7ioLcY-HE	0.01-1.40	Onsite treatment of water necessity and packaged water treatment plants
	45) Necessity of On-site water treatment	YouTube	https://www.youtube.com/watch?v=HYkZGKubMsg	0.17-4.47	
	46) Introduction to process description of Reverse Osmosis and treatment units	NPTEL IIT Roorkee Video	https://nptel.ac.in/courses/105/107/105107207/	Lecture 52	Use of reverse osmosis for treatment of water
	47) Introduction to process description of Pressure Filters and its treament units	YouTube	https://www.youtube.com/watch?v=h2vlj0wsXdE	0.01-58.59	Pressure filter and its use for water treatment
	48) Revision and Numerical solving	Telegram	https://t.me/wwlvg	0-3 hrs	MCQs and Question Answer sessions

Note: The subject has 8 Units as against conventional 6 units

(R.C. Kalekar)
Subject Teacher

CIVIL ENGINEERING DEPARTMENT
D.Y. PATIL SCHOOL OF ENGINEERING

H.O.D.
Department of Civil Engineering
Dr. D. Y. Patil School of Engg. Lohegaon

Dr. D. Y. Patil Technical Campus
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Knowledge City, Charoli Bk., Via. Lohegaon, Pune - 412 105
Department of Computer Engineering
Subject: Data Structures and Algorithms (2020-2021) SEM-II

Class : SE Div : A

Sr. No.	Unit wise Syllabus as Per SPPU	Topic	Source	URL	Duration	Description about the URL
1	Hashing	Concepts-hash table, hash function, basic operations, bucket, collision, probe, synonym, overflow	YouTube	https://youtu.be/2BldESGZKB8	02:36	Introduction to advance data structure starting with Hasing
				https://youtu.be/KyUTuwz_b7Q	13:53	
		Open hashing, closed hashing, perfect hash function, load density		https://youtu.be/F-eFJb7x584	17:33	Types of hasing
				https://youtu.be/clejnmwXH18	07:42	
		full table, load factor, rehashing, issues in hashing		https://youtu.be/49ieZ5D3814	01:58	issues faces with hasing technique
		hash functions- properties of good hash function, division, multiplication, extraction, mid-square, folding and universal		https://youtu.be/4UrPTAsVo88	16:14	properties of good hash function
				https://youtu.be/xo9Vsfzfg8g	15:56	Methods of hashing
		Collision resolution strategies- open addressing and chaining		https://youtu.be/o7hb03n3pw4	10:19	Collision resolution strategies
		Hash table overflow- open addressing and chaining		https://youtu.be/zeMa9sg-VJM	25:50	

Dr. D. Y. PATIL SCHOOL OF ENGINEERING
COMPUTER DEPARTMENT

		extendible hashing, closed addressing and separate chaining		https://youtu.be/j612Fj-mgCY	05:32	
2	Trees	basic terminology, General tree and its representation, representation using sequential and linked organization	YouTube	https://youtu.be/vvey2QCs98o	24:10	Introduction to trees
				https://youtu.be/zDlTxrEwxvg	17:50	Sequntial representation of tree
				https://youtu.be/l7P4ESrSaqc	03:45	Linked representation of tree
		Binary tree- properties, converting tree to binary tree,		https://youtu.be/Q3HH6bE2bwA	16:16	Properties of binary tree
				https://youtu.be/_0a8Qfm24oc	05:27	CONVERT GENERAL TREE INTO BINARY TREE
		binary tree traversals(recursive and non-recursive)- inorder, preorder, post order, depth first and breadth first, Operations on binary tree		https://youtu.be/e_Wv_pH4Se8	20:12	Recursive Traversal
				https://youtu.be/VsxLHGUqAKs	08:11	Inorder Non-recursive Traversal
				https://youtu.be/K2ybI-GEHSY	04:48	Preorder Traversal without recursion
				https://youtu.be/k21VKEM8OFY	05:15	Postorder traversal without recursion
		Huffman Tree (Concept and Use),		https://youtu.be/uDS8AkTAcIU	12:29	Huffman Coding Algorithm
		Binary Search Tree (BST), BST operations		https://youtu.be/ovWqEgYYAEQ	05:34	BST
				https://youtu.be/xuzVfXJ2cFA	04:41	BST operations
		Threaded binary search tree- concepts, threading, insertion		https://youtu.be/ffgg_zmbaxw	19:16	Threaded binary search

SCHOOL OF ENGINEERING
COMPUTER DEPARTMENT

		deletion of nodes in-order threaded binary search tree		https://youtu.be/pK9sT5Utlo4	11:23	Deletion in Threaded Binary Search Tree
		in order traversal of in-order threaded binary search tree		https://youtu.be/tS4h05qTBjU	09:11	Inorder traversal of threaded binary tree
3	Graphs	Basic Concepts, Storage representation, Adjacency matrix, adjacency list, adjacency multi list, inverse adjacency list	YouTube	https://youtu.be/5hPfm_uqXmw	12:11	Introduction to Graphs and its representation
				https://youtu.be/f2z1n6atBsc	04:54	
		Traversals-depth first and breadth first		https://youtu.be/pcKY4hjDrxk	18:29	Graph Traversal Techniques
				https://youtu.be/vf-cxgUXcMk	20:26	
		Minimum spanning Tree		https://youtu.be/h6cUkkaKNHw	07:11	Minimum spanning Tree
		Greedy algorithms for computing minimum spanning tree- Prims and Kruskal Algorithms		https://youtu.be/4ZlRH0eK-qQ	20:11	Prims and Kruskal Algorithms
		Dikjtra's Single source shortest path		https://youtu.be/XB4MIexjvY0	17:34	Dijkstra Algorithm - Single Source Shortest Path - Greedy Method
		All pairs shortest paths- Flyod-Warshall Algorithm		https://youtu.be/oNI0rf2P9gE	14:13	All Pairs Shortest Path (Floyd-Warshall) - Dynamic Programming
		Topological ordering		https://youtu.be/DDSRt4yEhy4	05:16	Topological ordering of Graph
4	Search Trees	Representation of Symbol Tables- Static tree table and Dynamic tree table	YouTube	https://youtu.be/UDEB4p5PlWw	04:40	Introduction to Symbol Table
				https://youtu.be/m70X8JRc8ok	04:55	Introduction to Static
				https://youtu.be/IvUkhdrSJmM	04:51	Introduction to Dynamic tree table

D.Y. PATIL SCHOOL OF ENGINEERING
COMPUTER DEPARTMENT

		Weight balanced tree - Optimal Binary Search Tree (OBST)		https://youtu.be/zMlRplrnt90	20:03	Introduction to OBST
		OBST as an example of Dynamic Programming		https://youtu.be/wAy6nDMPYAE	56:59	OBST Dynamic Programming Approach
		Height Balanced Tree- AVL tree		https://youtu.be/YWqla0UX-38	24:29	AVL Tree
		Red-Black Tree		https://youtu.be/3RQtq7PDHog	32:59	Red Black Tree
				https://youtu.be/qA02XWRTBdw	27:40	Insertion in Red Black Tree
				https://youtu.be/CTvfzU_uNKE	34:28	Deletion in Red Black Tree
		AA tree		https://youtu.be/0u1OiNMeZBs	16:49	AA tree
		K-dimensional Tree		https://youtu.be/XG4zpiJAkD4	08:46	K-dimensional Tree
		Splay Tree		https://youtu.be/qMmqOHr75b8	28:31	Splay Tree Introduction
5	**Indexing and Multiway Trees**	Indexing and Multiway Trees- Indexing	**YouTube**	https://youtu.be/meE1QWd3v-A	05:53	Introduction to Indexing and Multiway Trees
		Indexing techniques-primary, secondary		https://youtu.be/Rwum4Qung0Q	16:03	Indexing techniques
		Dense, sparse, Multiway search trees		https://youtu.be/RRkUp8-wZfw	04:18	Dense and sparse Trees
				https://youtu.be/QsuRpCiL_Gw	14:37	Multiway search trees
		B-Tree- insertion, deletion		https://youtu.be/yO4eSuJLKrU	10:06	B Tree
		B+Tree - insertion, deletion		https://youtu.be/yKo5lQEWTVk	20:27	B+ Tree

		Use of B+ tree in Indexing		https://youtu.be/aZjYr87r1b8	39:40	Use of B+ tree in Indexing
		Trie Tree		https://youtu.be/zIjfhVPRZCg	04:54	Trie Tree
6	File Organization	Files: concept, need, primitive operations	YouTube	https://youtu.be/WN3er-3nkhc	23:07	Introduction to Files
		Sequential file organization- concept and primitive operations		https://youtu.be/bvoJI7WKBbc	05:36	Sequential file organization
		Direct Access File- Concepts and Primitive operations		https://youtu.be/XPq9yWBMJkA	05:50	Direct Access File
		Indexed sequential file organization- concept, types of indices		https://youtu.be/LYLXKdD6n2Y	05:08	Indexed sequential file
		Structure of index sequential file		https://youtu.be/R0ZouJg_jdc	07:50	Indexed sequential file
		Linked Organization- multi list files, coral rings		https://youtu.be/EFGLkiMexRw	12:58	Linked Organization
		Inverted files and cellular partitions		https://youtu.be/srIZTslpR_Y	28:46	Inverted files

Prof. Nilesh Mali

Prepared by Subject Teacher

Dr.Pankaj Agarkar

HOD

D.Y. PATIL SCHOOL OF ENGINEERING
COMPUTER DEPARTMENT