



KCES's College of Engineering and Management, Jalgaon
Activity Report

Name of The Activity : Faculty Development Program on R Programming			
Category of activity	Curricular	Co-curricular ✓	Extra-curricular
Date:	17/02/2023 to 22/02/2023	Participants profile: Teaching Faculty	38 Participants
Name of Co-ordinator (S)	1.Mr. Avinash Y. Surywanshi 2. Mrs. Ashwini T. Devarale		
Guest/ Experts (If any)	Online Course Spoken Tutorial IIT Bombay		
Objective for conducting activity	R is a powerful programming language being used for multiple domains & applications, software packages, tools for extensive statistical computations, graphics , data science and analysis, data mining etc. Overall objective of this program was to update & enhance skills of educators to contribute in research & consultancy projects, updating of knowledge, skill of students etc		
Methodology	Online Video tutorial and faculty solved assignment and Training test is conducted.		
Out Come	The programme benefitted over 38 participants who got hands-on training in R programming, paving the way for exploring data sets for their research and development.		


Event Coordinator


IQAC coordinator


Principal

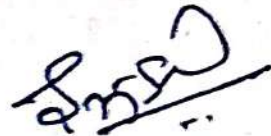
DATE: 13/02/2023

Important Notice

All the Faculty are hereby inform that one week online faculty development program is arranged by the Computer Engineering department in association with Spoken tutorial IIT Bombay on "R Programming" from 17/02/2023 to 22/02/2023 , so it is compulsory to all teaching faculty to register for this FDP.



HOD Computer Engg.
Mr. A. Y. Surywanshi



PRINCIPAL
Dr. Sanjay R. Sugandhi

KCESs COLLEGE OF ENGINEERING AND MANAGEMENT JALGAON
Online FDP On R Programming
17/02/2023 to 22/02/2023

Participant List

Sr. No	Name of Participants	Email ID	Gender
1	ASHWINI DEVARALE	l2ashwinirajput@gmail.com	Female
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34	SNEHAL PAWAR	snpawar041992@gmail.com	Female

HOD

Computer Engineering
KCES's College of Engineering
& Management, Jalgaon

KCESS COLLEGE OF ENGINEERING AND MANAGEMENT JALGAON
Online FDP On R Programming
17/02/2023 to 22/02/2023

Participant List

Sr. No	Name of Participants	Email ID	Gender
35	TUSHAR CHAUDHARI	tushar.dksde@gmail.com	Male
36	UMAKANT KOTHOKE	kothoke.umkant15@gmail.com	Male
37	VAISHALI SARODE	sarodevnishali25@gmail.com	Female
38	VIKAS NARKHEDE	vilkaspn@gmail.com	Male



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Computer Engineering
KCESS's College of Engineering
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COURSE CONTENT

Day 1 - 17/02/2023	<ul style="list-style-type: none">• Overview of R and RStudio• Installing R and RStudio on Linux• Installing R and RStudio on Windows• Introduction to basics of R
Day 2 -18/02/2023	<ul style="list-style-type: none">• Introduction to data frames in R• Introduction to RStudio• Introduction to R script• Working Directories in RStudio
Day 3 - 19/02/2023	<ul style="list-style-type: none">• Indexing and Slicing Data Frames• Creating Matrices using Data Frames• Operations on Matrices and Data Frames• Merging and Importing Data
Day 4 -20/02/2023	<ul style="list-style-type: none">• Data Types and Factors• Lists and its Operations• Plotting Histograms and Pie Chart• Plotting Bar Charts and Scatter Plot
Day 5 -21/02/2023	<ul style="list-style-type: none">• Introduction to ggplot2• Aesthetic Mapping in ggplot2• Data Manipulation using dplyr Package• More functions in the dplyr Package
Day 6 - 22/02/2023	<ul style="list-style-type: none">• Pipe Operator• Conditional Statements• Functions in R

Spoken Tutorial Video Link

Spoken Tutorial Video Link for Day 1:

- a) Morning Session: 10.00 am to 12.00 noon

Session-1 Link:

<https://spoken-tutorial.org/watch/R/Overview+of+R+and+RStudio/English>

Session-2 Link:

- b) <https://spoken-tutorial.org/watch/R/Installing+R+and+RStudio+on+Linux/English>

- c) Afternoon Session: 2.00 pm to 4.00 pm

Session-1 Link:

<https://spoken-tutorial.org/watch/R/Installing+R+and+RStudio+on+Windows/English>

Session-2 Link:

- d) <https://spoken-tutorial.org/watch/R/Introduction+to+basics+of+R/English>

Spoken Tutorial Video Link for Day 2:

- a) Morning Session: 10.00 am to 12.00 noon

Session-1 Link:

<https://spoken-tutorial.org/watch/R/Introduction+to+Data+Frames+in+R/English>

Session-2 Link:

<https://spoken-tutorial.org/watch/R/Introduction+to+RStudio/English>

- b) Afternoon Session: 2.00 pm to 4.00 pm

Session-1 Link:

<https://spoken-tutorial.org/watch/R/Introduction+to+R+script/English>

Session-2 Link:

- c) <https://spoken-tutorial.org/watch/R/Working+directories+in+RStudio/English>

Spoken Tutorial Video Link for Day 3:

- a) Morning Session: 10.00 am to 12.00 noon

Session-1 Link:

<https://spoken-tutorial.org/watch/R/Indexing+and+Slicing+Data+Frames/English>

Session-2 Link:

<https://spoken-tutorial.org/watch/R/Creating+Matrices+using+Data+Frames/English>

- b) Afternoon Session: 2.00 pm to 4.00 pm

Session-1 Link:

<https://spoken-tutorial.org/watch/R/Operations+on+Matrices+and+Data+Frames/English>

Session-2 Link:

<https://spoken-tutorial.org/watch/R/Merging+and+Importing+Data/English>

c)

Spoken Tutorial Video Link for Day 4:

- a) Morning Session: 10.00 am to 12.00 noon

Session-1 Link:

<https://spoken-tutorial.org/watch/R/Data+types+and+Factors/English>

Session-2 Link:

<https://spoken-tutorial.org/watch/R/Lists+and+its+Operations/English>

- b) Afternoon Session: 2.00 pm to 4.00 pm

Session-1 Link:

<https://spoken-tutorial.org/watch/R/Plotting+Histograms+and+Pie+Chart/English>

Session-2 Link:

<https://spoken-tutorial.org/watch/R/Plotting+Bar+Charts+and+Scatter+Plot/English>

Spoken Tutorial Video Link for Day 5:

a) Morning Session: 10.00 am to

12.00 noon Session-1 Link:

<https://spoken-tutorial.org/watch/R/Introduction+to+ggplot2/English>

Session-2 Link:

<https://spoken-tutorial.org/watch/R/Aesthetic+Mapping+in+ggplot2/English>

b) Afternoon Session: 2.00 pm to

4.00 pm Session-1 Link:

<https://spoken-tutorial.org/watch/R/Data+Manipulation+using+dplyr+Package/English>

Session-2 Link:

<https://spoken-tutorial.org/watch/R/More+Functions+in+dplyr+Package/English>

Spoken Tutorial Video Link for Day 6:

a) Morning Session: 10.00 am to

12.00 noon Session-1 Link:

<https://spoken-tutorial.org/watch/R/Pipe+Operator/English>

Session-2 Link:

<https://spoken-tutorial.org/watch/R/Conditional+Statements/English>

b) Afternoon Session: 2.00 pm to

4.00 pm Session-1 Link:

<https://spoken-tutorial.org/watch/R/Functions+in+R/English>

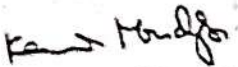


Spoken Tutorial
Project at
IIT Bombay

Certificate of Participation

NATIONAL MISSION ON
TEACHERS AND TEACHING

This is to certify that Dr. PRADNYA VIKHAR has participated in Faculty Development Programme from 2023-02-17 to 2023-02-22 on R organized by KHANDESH COLLEGE EDUCATION SOCIETY'S COLLEGE OF ENGINEERING AND MANAGEMENT, JALGAON with course material provided by Spoken Tutorial Project, IIT Bombay.


Prof. Kannan M Moudgalya
IIT Bombay

Spoken Tutorial is a project at IIT Bombay, started with funding from the National Mission on Education through ICT, Ministry of Education (previously MHRD), Govt. of India

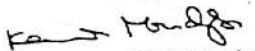


Spoken Tutorial
Project at
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Certificate of Participation

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SHALAYA
NATIONAL MISSION ON
TEACHERS AND TEACHING

This is to certify that **LEENA WAGHULDE** has participated in **Faculty Development Programme** from **2023-02-17** to **2023-02-22** on **R** organized by **KHANDESH COLLEGE EDUCATION SOCIETY'S COLLEGE OF ENGINEERING AND MANAGEMENT, JALGAON** with course material provided by Spoken Tutorial Project, IIT Bombay.


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IIT Bombay

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