



RAAK

COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)

From

01/08/2019

Mrs.L.Rogini Devi
Assistant Professor /S&H
RAAK College of Engineering and Technology
Puducherry -110

To

The Principal
RAAK College of Engineering and Technology
Puducherry -110

Respected Sir,

Sub: Requisition for Approval to Conduct Skill Development program / Value added Course on
"19SH01- Basic Mathematics" - reg.

This is to bring to your kind notice that the Skill Development Team is planning to conduct a Program on
"19SH01- Basic Mathematics" for all the First Year Students of Science & Humanities, from 09-08-2019
to 13-08-2019.

The main focus of this program is to provide a better exposure to our students on the Basic
Mathematics for practical applications.

The syllabus and course plan structured are not listed in the Pondicherry University Curriculum and
the same have been verified and approved by the Principal/HoD/Professors and Skill development team.

Hence, I kindly request you to approve event planned. The details and the necessary proofs are
attached with this letter.

Thanking you,

Yours faithfully,

L. Rogini Devi

Mrs.L.Rogini Devi
AP/S&H



S. Seenuvasamurthi
Dr. S. SEENUVASAMURTHI, M.E., Ph.C.
PRINCIPAL

RAAK College of Engineering & Technology
No.1, Muthupillai Palayam Road,
Sulthanpet Post,
Puducherry - 605 110



RAAK

COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)

RAAKCET/PRINCIPAL/CIR/AUG2019

02/08/2019

CIRCULAR

This is to inform that the Skill Development Team is planning to conduct a value added course on "19SH01- Basic Mathematics" for all the First Year Students of Science & Humanities, from 09-08-2019 to 13-08-2019. Students are asked to utilize this opportunity and improve their skills.

PRINCIPAL

Circulation to:

1. All Students
2. All Faculty & Staff Members
3. All HoDs

Copy to:

1. All HoDs
2. Office



Dr. S. SEENUVASAMURTHI, M.E., Ph.D.
PRINCIPAL

RAAK College of Engineering & Technology
No.1, Muthupillai Palayam Road,
Sulthanpet Post,
Puducherry - 605 110



RAAK

COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi, Affiliated to Pondicherry University)
NO.1, MUTHUPILLAI PALAYAM ROAD, G.N. PALAYAM, VILLIYANUR, PUDUCHERRY - 605 110

DEPARTMENT OF SCIENCE AND HUMANITIES PRESENTS

VALUE ADDED COURSE ON BASIC MATHEMATICS

2019-2020

DATE: 09/08/2019 to 13/08/2019

VENUE: RAAK CET

TIME: 09 am to 04 pm

Resource Person:

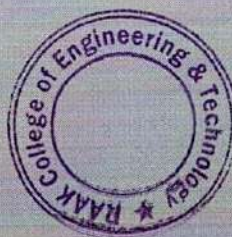
Mr. K. Devanathan
Assistant Professor,
Manakula Vinayagar Institute of Tech.

For Registration Contact:

Ms. R. Saraswathi , AP/ S & H,
7562487981.

HOD

Mr. P. Radja Sacravarthy



PRINCIPAL

Dr. A. Sivakumar

Dr. S. SEENUVASAMURTHI, M.E., Ph.D.
PRINCIPAL

RAAK College of Engineering & Technology
No.1, Muthupillai Palayam Road,
Puducherry - 605 110
www.raakengg.com



raakengg@mail.com



www.raakengg.com
Puducherry - 605 110



RAAK

COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)

Value Added Courses

2019-2020

Department of Science & Humanities.

19SH01- Basic Mathematics

Syllabus

Duration: 36 hours

Course Objective:

- Have a deeper understanding of mathematical theory
- Be able to apply problem-solving and logical skills.
- Have a solid knowledge of elementary statistics.
- Be able to communicate mathematical/logical ideas in writing.
- Be competent in computer programming.

Course Outcomes:

- Express mathematical concepts accurately and concisely in numerical and spoken language.
- Apply mathematical concepts to concrete and abstract problems, and draw logical conclusions using the logic, and inductive and deductive reasoning.
- Master the relevant mathematical concepts as listed in the course outline, which will enable them to take subsequent courses of increasing complexity.

Module 1: Differential Calculus

(9 Hours)

Limits and differentiation-Derivative of functions- Derivative interactive graphs-Differential Equations in Physics .

Module 2: Integral Calculus

(9 Hours)

Finite sums- Limits of finite sums-Definite integrals-Integration of functions-Fundamental theorem of calculus.

Module 3: Determinant and Matrix

(9 Hours)

Basics of determinants and matrices-Types of matrices- Simultaneous linear equations-Eigenvalue and eigenvectors-Matrices in Physics.

Module 4: Vector Calculus

(9 Hours)

Differentiation of vectors-Gradient, divergence, curl-Integration of vectors-line, surface and volume integral

Module 5: Probability and Statistics

(9 Hours)

Probability, Multiplicity, Combinatorics-Bernoulli Distribution-Poisson and Gaussian Distribution-Boltzmann, Power Law, Lorentzian Distribution



Dr. S. SEENUVASAMURTHI, M.E., Ph.D.
PRINCIPAL

RAAK College of Engineering & Technology
No.1, Muthupillai Palayam Road,
Sulthanpet Post,
Puducherry - 605 110



RAAK

COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)

L. Ragu
Course Designed By

S. Seenuvasamurthi
Approved By

S.S.
PRINCIPAL



S. Seenuvasamurthi
Dr. S. SEENUVASAMURTHI, M.E., Ph.D.
PRINCIPAL

RAAK College of Engineering & Technology
No.1, Muthupillai Palayam Road,
Sulthanpet Post,
Puducherry - 605 110



RAAK

COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)

CO - ATTAINMENT MAPPING

Sl. No	Register Number	Student Name	CO1	CO2	CO3	CO4
1.	19TD1501	ABARNA .V	✓	✓	✓	✓
2.	19TD1502	ABDUL RAHMAN .MA	✓	✓	✓	✓
3.	19TD1503	ABIRAMI .K	✓	✓	✓	✓
4.	19TD1504	BALAJI .K	✓	✓	✓	✓
5.	19TD1505	BHARATHKUMARAN .M	✓	✓	✓	✓
6.	19TD1506	CHARUMATHY .K	✓	✓	✓	✓
7.	19TD1507	DHAKSHAYINI .S	✓	✓	✓	✓
8.	19TD1508	DHANUSHKODI. P	✓	✓	✓	✓
9.	19TD1509	GOUTHAM .G	✓	✓	✓	✓
10.	19TD1510	GOWTHAM .V	✓	✓	✓	✓
11.	19TD1511	JEEVANDHAMANI .M	✓	✓	✓	✓
12.	19TD1512	JOTHI .M	✓	✓	✓	✓
13.	19TD1514	KAVIARASAN .K	✓	✓	✓	✓
14.	19TD1515	KARMALAJAY	✓	✓	✓	✓
15.	19TD1516	KESHOR .M	✓	✓	✓	✓
16.	19TD1517	MALLIGA .B	✓	✓	✓	✓
17.	19TD1520	MUKTHAR SHAKIR. K	✓	✓	✓	✓
18.	19TD1521	NAMBIRAJU .P	✓	✓	✓	✓
19.	19TD1522	NAVEENKUMAR .C	✓	✓	✓	✓
20.	19TD1523	PAVITHRA .P	✓			✓

Dr. S. SEENUVASAMURTHI, M.E., Ph.D.

PRINCIPAL

RAAK College of Engineering & Technology
No.1, Muthupillai Palayam Road,
Sulthanpet Post,
Puducherry - 605 110.





RAAK

COLLEGE OF ENGINEERING AND TECHNOLOGY

[Approved by AICTE, New Delhi & Affiliated to Pondicherry University]

21.	19TD1524	PRAISEN .B	✓	✓	✓	✓
22.	19TD1525	PRAVEENKUMAR .A	✓	✓	✓	✓
23.	19TD1526	PREETHA .K	✓	✓	✓	✓
24.	19TD1527	RICHARD ANTONY .C	✓	✓	✓	✓
25.	19TD1528	MONISHA. S	✓	✓	✓	✓
26.	19TD1529	SABANA BANU. S	✓	✓	✓	✓
27.	19TD1530	SAKTHIBALAN .V	✓	✓	✓	✓
28.	19TD1531	SANDHIYA. A	✓	✓	✓	✓
29.	19TD1532	SATHISHKUMAR .S	✓	✓	✓	✓
30.	19TD1533	SENTHAMIZHAN .S	✓	✓	✓	✓
31.	19TD1534	SHAMILI. B	✓	✓	✓	✓
32.	19TD1535	SHIFANA FERVEEN .I	✓	✓	✓	✓
33.	19TD1536	SHIYAMKUMAR .V	✓	✓	✓	✓
34.	19TD1537	SOWMIYA .J	✓	✓	✓	✓
35.	19TD1538	SUBASRI .S	✓	✓	✓	✓
36.	19TD1539	SWETHA .T	✓	✓	✓	✓
37.	19TD1540	SYED VAHITH. V	✓	✓	✓	✓
38.	19TD1541	VIJAY .N	✓	✓	✓	✓
39.	19TD1542	VINODHINI B	✓	✓	✓	✓
40.	19TD1544	YOGESH .V	✓	✓	✓	✓
41.	19TD1545	YOVEL MISONRAJ .D	✓	✓	✓	✓
42.	19TC1101	S. ABIRAMI	✓	✓	✓	✓

Dr. S. SEENUVASAMURTHI, M.E., Ph.D.

PRINCIPAL

RAAK College of Engineering & Technology
No.1, Muthupillai Palayam Road,
Sulthanpet Post,
Puducherry - 605 110





RAAK

COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)

43.	19TC1103	V.DINESH KUMAR	✓	✓	✓	✓
44.	19TC1104	S. GAUTHAM	✓	✓	✓	✓
45.	19TC1105	K. GOVINDARAJ	✓	✓	✓	✓
46.	19TC1106	I.KARTHESWARAN	✓	✓	✓	✓
47.	19TC1107	I.MUTHURAMAN	✓	✓	✓	✓
48.	19TC1110	B. NARAYANAN	✓	✓	✓	✓
49.	19TC1112	S. RAJALAKSHMI	✓	✓	✓	✓
50.	19TC1113	M.RESMINA FARVIN	✓	✓	✓	✓
51.	19TC1114	S. JEEVANANDAM	✓	✓	✓	✓
52.	19TC1115	N. SATHISH	✓	✓	✓	✓
53.	19TC1116	D.SOORIYA	✓	✓	✓	✓
54.	19TC1117	M. SUGANYA	✓	✓	✓	✓
55.	19TC1118	K P YOGA SUPARNA	✓	✓	✓	✓
56.	19TE0551	NIRMAL GEORGE.A	✓	✓	✓	✓
57.	19TE0552	BRANAN.D	✓	✓	✓	✓
58.	19TE0553	SANJAIDHARAN.G	✓	✓	✓	✓
59.	19TE0554	KEERTHIKA.N	✓	✓	✓	✓
60.	19TE0555	KAVIMANI.M	✓	✓	✓	✓
61.	19TE0556	MUTHUKUMARAN.V	✓	✓	✓	✓
62.	19TE0557	RAKESH.M	✓	✓	✓	✓
63.	19TE0558	VEDA.S	✓	✓	✓	✓
64.	19TE0559	YUVARAJ.P	✓	✓	✓	✓



Dr. S. SEENUVASAMURTHI, M.E., Ph.D.
PRINCIPAL
RAAK College of Engineering & Technology
No.1, Muthupillai Palayam Road,
Sulthanpet Post,
Puducherry - 605 110



RAAK

COLLEGE OF ENGINEERING AND TECHNOLOGY

[Approved by AICTE, New Delhi & Affiliated to Pondicherry University]

Value Added Courses

2019-2020

Department of Science & Humanities.

19SH01- Basic Mathematics

COURSE PLAN

S.no	Date	Hours	Time	Topic	Faculty details
DAY -1					
1	09.08.19	1,2	9AM -11AM	Limits and differentiation- Derivative of functions	Mrs.B.Meenakumari &Mr.K.Devanathan
2		3,4	11.15AM – 1.15 PM	Derivative interactive graphs	Mr.K.Devanathan
3		5,6	2 PM -4PM	-Differential Equations in Physics Differential Calculus	Mrs.B.Meenakumari
DAY 2					
4	10.08.19	7,8	9AM -11AM	Finite sums- Limits of finite sums	Mr.K.Devanathan
5		9,10,	11.15AM – 1.15 PM	Definite integrals- Integration of functions	Mrs.B.Meenakumari
6		11,12	2 PM -4PM	Fundamental theorem of calculus	Mr.K.Devanathan
DAY -3					
7	11.08.19	13,14	9AM -11AM	Basics of determinants and matrices	Mrs.B.Meenakumari
8		15,16	11.15AM – 1.15 PM	-Types of matrices- Simultaneous linear equations	Mr.K.Devanathan
9		17,18	2 PM -4PM	Eigenvalue and eigenvectors- Matrices in Physics.	Mrs.B.Meenakumari
DAY -4					
10	12.08.19	19,20	9AM -11AM	Differentiation of vectors	Mr.K.Devanathan
11		21,22	11.15AM – 1.15 PM	Gradient, divergence, curl-Integration of vectors	Mrs.B.Meenakumari
12		23,24	2 PM -4PM	surface and volume integral	Mr.K.Devanathan
DAY -5					
13	13.08.19	25,26	9AM -11AM	Probability, Multiplicity, Combinatorics	Mrs.B.Meenakumari, Ph.D.



Dr. S. SEENUVA PRINCIPAL
RAAK College of Engineering & Technology
No.1, Muthupillai Palayam Road,
Sulthanpet Post,
Puducherry - 605 110



RAAK

COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)

14		27,28	11.15AM – 1.15 PM	Combinatorics- Bernoulli Distribution- Poisson and Gaussian Distribution	Mr.K.Devanathan
15		29,30	2 PM -4PM	Boltzmann, Power Law, Lorentzian Distribution	Mrs.B.Meenakumari

***ASSESSMENT EXAM WILL BE CONDUCTED AFTER ONE WEEK OF COURSE COMPLETION ***

BREAK TIME: 11.00 TO 11.15 AM

LUNCH BREAK: 1.15 PM TO 2.00 PM

L. Rogini Devi
COURSE DESIGNED BY
Mrs.L.ROGINI DEVI

Prasanth
APPROVED BY
SKILL DEVELOPMENT TEAM

S.S.
PRINCIPAL



S. Seenuvasamurthi
Dr. S. SEENUVASAMURTHI, M.E., Ph.D.
PRINCIPAL
RAAK College of Engineering & Technology
No.1, Muthupillai Palayam Road,
Sulthanpet Post,
Puducherry - 605 110



RAAK

COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)

VALUE ADDED COURSES

2019-2020

Department of Science & Humanities.

EVENT REPORT

Name of the Course: 19SH01- Basic Mathematics

Name of the Instructors: Mrs.B.Meenakumari & Mr.K.Devanathan

Year/ Branch: I/ S&H

Duration of Course: 36 Hours (09-08-2019 to 13-08-2019)

Assessment Date: 20.08.2019

Post Event Summary:

The course was inaugurated on 09-08-2019 at 9.30 A.M. by our respectable principal and sessions were continued as per the schedule. Students were enriched their knowledge by attending the course. Finally, the course concluded by vote of thanks.

On 20.08.2019 assessment was conducted and feedbacks were collected from all the participants.

CO - Attainment:

CO1: Be able to apply problem-solving and logical skills.

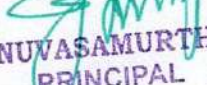
CO2: Have a deeper understanding of mathematical theory.

CO3: Have a solid knowledge of elementary statistics.

CO4: Be able to communicate mathematical/logical ideas in writing.

CO5: Be competent in computer programming.




Dr. S. SEENUVASAMURTHI, M.E., Ph.D.
PRINCIPAL
RAAK College of Engineering & Technology
No.1, Muthupillai Palayam Road,
Sulthanpet Post,
Puducherry - 605 110

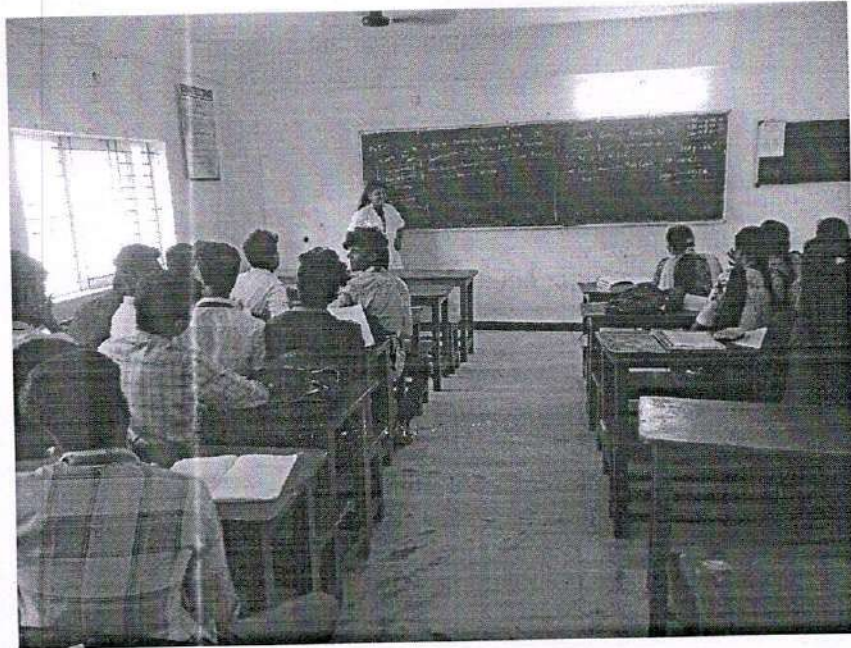


RAAK

COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)

Value Added Course on Basic Mathematics 2019-20



Combinatorics-Bernoulli Distribution-Poisson and Gaussian Distribution on 13.08.19




Dr. S. SEENUVASAMURTHI, M.E., Ph.D.
PRINCIPAL
RAAK College of Engineering & Technology
No.1, Muthupillai Palayam Road,
Sulthanpet Post,
Puducherry - 605 110



RAAK

COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)

From

01/08/2019

Mrs.L.Rogini Devi
Assistant Professor /S&H
RAAK College of Engineering and Technology
Puducherry -110

To

The Principal
RAAK College of Engineering and Technology
Puducherry -110

Respected Sir,

Sub: Requisition for Approval to Conduct Skill Development program / Value added Course on
"19SH02- Technical Communication"- reg.

This is to bring to your kind notice that the Skill Development Team is planning to conduct a Program on
"19SH02- Technical Communication" for all the first Year students of Science & Humanities from
09-08-2019 to 13-08-2019.

The main focus of this program is to provide a better exposure to our students on the Technical
Communication practical applications.

The syllabus and course plan structured are not listed in the Pondicherry University Curriculum and
the same have been verified and approved by the Principal/HoD/Professors and Skill development team.

Hence, I kindly request you to approve event planned. The details and the necessary proofs are
attached with this letter.


Thanking you,

Yours faithfully,


Mrs.L.Rogini Devi

AP/S&H




Dr. S. SEENUVASAMURTHI, M.E., Ph.D.
PRINCIPAL
RAAK College of Engineering & Technology
No.1, Muthupillai Palayam Road,
Sulthanpet Post,
Puducherry - 605 110



RAAK

COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)

RAAKCET/PRINCIPAL/CIR/AUG2019

02/08/2019

CIRCULAR

This is to inform that the Skill Development Team is planning to conduct a value added course on "19SH02- Technical Communication" for all the first year students of science & humanities, from 09-08-2019 to 13-08-2019. Students are asked to utilize this opportunity and improve their skills.



PRINCIPAL

Circulation to:

1. All Students
2. All Faculty & Staff Members
3. All HoDs

Copy to:

1. All HoDs
2. Office


Dr. S. SEENUVASAMURTHI, M.E., Ph.D.
PRINCIPAL
RAAK College of Engineering & Technology
No.1, Muthupillai Palayam Road,
Sulthanpet Post,
Puducherry - 605 110





RAAK

COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi, Affiliated to Pondicherry University)
NO:1, MUTHUPILLAI PALAYAM ROAD, G.N. PALAYAM, VILLIYANUR, PUDUCHERRY - 605 110

DEPARTMENT OF SCIENCE AND HUMANITIES PRESENTS VALUE ADDED COURSE ON TECHNICAL COMMUNICATION

2019-2020

DATE: 09/08/2019 to 13/08/2019

VENUE: RAAKCET

TIME: 09 am to 04 pm

Resource Person:

Mr. Saravanane Virumouttou
Assistant Professor,
Christ college of Engineering.

For Registration Contact:

Mr. K. Rajakumar, AP/ S & H,
7172735454.

HOD

Mr. P. Radja Sacravathy



PRINCIPAL

Dr. S. SEENUVASAMURTHI, M.E., P.K.C.
PRINCIPAL
RAAK College of Engineering & Technology,
No.1, Muthupillai Palayam Road,
Sulthanpet Post,
Puducherry - 605 110



raakengg@mail.com



WWW.raakengg.com



RAAK

COLLEGE OF ENGINEERING AND TECHNOLOGY

[Approved by AICTE, New Delhi & Affiliated to Pondicherry University]

VALUE ADDED COURSES

2019-2020

Department of Science & Humanities.

19SH02- Technical Communication

Syllabus

Duration: 36 hours

Course Objective:

- To enable students to achieve a high degree of fluency in English.
- To enhance the effectiveness of oral and written communications
- To equip learners with languages skills that could provide good career opportunities

Course Outcomes:

- Communicate effectively in professional life
- make effective oral presentations
- write business letters, memos, emails and reports
- participate in various kinds of group communications.

Module 1: An Introduction to Communication

(9 Hours)

Communication – Basics & Principles - Objectives of communication – types–verbal and non-verbal communication – Barriers to communication the four essential communication skills

Module 2: Methods & Strategies

(9 Hours)

Effective listening – Visual strategies – SWOT Analysis – vocabulary development – digital literacy E – Mail Communications – non-verbal communication.

Module 3: Presentation Skills

(9 Hours)

Speaking – formal/informal – Types-Mock interview – group discussion Etiquettes – telephone skills – Handling complaints - Oral techniques.

Module 4: Soft Skills

(9 Hours)

Listening Skills – Motivation skills – Leadership skills – interpersonal and team skills Emotional Intelligence Skills – Expressing ideas – Training and Feedback




Dr. S. SEENUVASAMURTHI, M.E., Ph.C.
PRINCIPAL
RAAK College of Engineering & Technology
No.1, Muthupillai Palayam Road,
Sulthanpet Post,
Puducherry - 605 110



RAAK

COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)

Module 5: Technical Communication

(9 Hours)

Grapevine communication - characteristics and functions – social media – Writing Blogs – online discussion – Basic computer skills – Power point presentation.

L. Reguid
Course designed by

P. R. S. S. S.
Approved by

S.S.
Principal



S. Seenuvasamurthi
Dr. S. SEENUVASAMURTHI, M.E., Ph.D.
PRINCIPAL
RAAK College of Engineering & Technology
No.1, Muthupillai Palayam Road,
Sulthanpet Post,
Puducherry - 605 110



RAAK

COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)

CO - ATTAINMENT MAPPING

Sl. No	Register Number	Student Name	CO1	CO2	CO3	CO4
1.	19TH0502	AGATHIAN M	✓	✓	✓	✓
2.	19TH0503	AJEETH A	✓	✓	✓	✓
3.	19TH0504	ARAVINDKRISHNA S	✓	✓	✓	✓
4.	19TH0505	ARUN T	✓	✓	✓	✓
5.	19TH0508	CHANDRAKUMAR. E	✓	✓	✓	✓
6.	19TH0509	DEVIBALA E	✓	✓	✓	✓
7.	19TH0510	DHIYA B	✓	✓	✓	✓
8.	19TH0511	DIVYA S	✓	✓	✓	✓
9.	19TH0512	DIVYASRI R	✓	✓	✓	✓
10.	19TH0513	ELAMATHI M	✓	✓	✓	✓
11.	19TH0514	FATHIMA AASMIN C	✓	✓	✓	✓
12.	19TH0515	HARIHARAN A	✓	✓	✓	✓
13.	19TH0516	HARIHARAN R	✓	✓	✓	✓
14.	19TH0517	JOHNSON VASANTHARAJ. S	✓	✓	✓	✓
15.	19TH0518	KALIMUTHU K	✓	✓	✓	✓
16.	19TH0519	KANNADASAN K	✓	✓	✓	✓
17.	19TH0521	KIRUBA. B	✓	✓	✓	✓
18.	19TH0522	MAHESH H	✓	✓	✓	✓



Dr. S. SEENUVASAMURTHI, M.E., Ph.D.

PRINCIPAL

RAAK College of Engineering & Technology
No.1, Muthupillai Palayam Road,
Sulthanpet Post,
Puducherry - 605 110.



RAAK

COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)

19.	19TH0523	MUGILAN M	✓	✓	✓	✓
20.	19TH0524	MURALIDHARAN V	✓	✓	✓	✓
21.	19TH0525	NAVANEETHA KRISHNAN S	✓	✓	✓	✓
22.	19TH0526	NITHYA R	✓	✓	✓	✓
23.	19TH0527	NOORUDEEN M	✓	✓	✓	✓
24.	19TH0528	PASUPATHI N	✓	✓	✓	✓
25.	19TH0529	PUGAZHENDHI S	✓	✓	✓	✓
26.	19TH0530	REVATHI B	✓	✓	✓	✓
27.	19TH0531	SAMPATHKUMAR V	✓	✓	✓	✓
28.	19TH0532	SANDHIYA P	✓	✓	✓	✓
29.	19TH0533	SARANYA T	✓	✓	✓	✓
30.	19TH0534	SARIGA T	✓	✓	✓	✓
31.	19TH0535	SASIREKA M	✓	✓	✓	✓
32.	19TH0536	SATHIYAVANI S	✓	✓	✓	✓
33.	19TH0537	SELVA SUNDARAM K	✓	✓	✓	✓
34.	19TH0538	SHEKANAS. K	✓	✓	✓	✓
35.	19TH0539	SIVABALAN J	✓	✓	✓	✓
36.	19TH0540	SUJITH. K	✓	✓	✓	✓
37.	19TH0541	SURIYA PRAKASH J	✓	✓	✓	✓
	19TH0542	SWETHA K	✓	✓		✓



Dr. S. SEENUVASANMURTEL, M.E., Ph.D.
PRINCIPAL

RAAK College of Engineering & Technology
No.1, Muthupillai Palayam Road,
Sulthanpet Post,
Puducherry - 605 110



RAAK

COLLEGE OF ENGINEERING AND TECHNOLOGY

[Approved by AICTE, New Delhi & Affiliated to Pondicherry University]

39.	19TH0543	THANNARASI. V	✓	✓	✓	✓
40.	19TH0544	THENADAYALAN V	✓	✓	✓	✓
41.	19TH0545	U. GEORGE	✓	✓	✓	✓
42.	19TH0546	UMAR SHARIFS M	✓	✓	✓	✓
43.	19TH0547	VIJAYWILLSONDASS A	✓	✓	✓	✓
44.	19TB1201	ABDUL AJEES.M	✓	✓	✓	✓
45.	19TB1202	ARUNESHWAR. J	✓	✓	✓	✓
46.	19TB1203	DEVA. R	✓	✓	✓	✓
47.	19TB1205	MOHANDOSS. A	✓	✓	✓	✓
48.	19TB1206	NANTHAKUMAR. S	✓	✓	✓	✓
49.	19TB1207	NARAYANA MOORTHIS	✓	✓	✓	✓
50.	19TB1208	PONNAMBALAM. E	✓	✓	✓	✓
51.	19TB1209	PRADEEPRAJ.R	✓	✓	✓	✓
52.	19TB1211	SILAMBU KALIDASAN. M	✓	✓	✓	✓
53.	19TB1212	VASANTHARAJ. R	✓	✓	✓	✓




Dr. S. SEENUVASAMURTHI, M.E., Ph.D.
PRINCIPAL
RAAK College of Engineering & Technology
No.1, Muthupillai Palayam Road,
Sulthanpet Post,
Puducherry - 605 110



RAAK

COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)

VALUE ADDED COURSES

2019-2020

Department of Science & Humanities.

19SH02- Technical Communication

COURSE PLAN

S.no	Date	Hours	Time	Topic	Faculty details
DAY -1					
1	09.08.19	1.2	9 AM -11 AM	sources of water - Characteristics of water, Water Analysis- study of \\11k'r samples - acidity..	Mr.Ravisrinivas & Mr.Saravanane virumouttou
2		3,4	11.15 AM – 1.15 PM	alkalinity. Hardness, free chlorine, chlorine demand, calcium, mug.nc\$.ium. iron. manganese. zinc	Mr.Ravisrinivas
3		5.6	2 PM -4 PM	ammonia, nitrate, sulphate and fluoride, DOC, BOD, COD and their imporatance - Disadvantages of hard water - Scale and sludge formation in boiler Brackish water:	Mr.Saravanane virumouttou
DAY 2					
4	10.08.19	7,8	9 AM -11 AM	Inroduction -water Pollutants - physical and chemical pollution of water - ground water pollution - harmful effects of ground water pollution - surface water	Mr.Ravisrinivas
5		9,10,	11.15 AM – 1.15 PM	River water and sea water p0llution.	Mr.Saravanane virumouttou
6		11,12	2 PM -4 PM	Oil pollution of water. Effects oil pollution in marine water - Radioactive materials in water- ROle of pollution control boards.	Mr.Ravisrinivas
DAY -3					
7	11.08.19	13,14	9 AM -11 AM	Physico chemical Examination of water 10 Hrs Collection of samples - colour - odour Turbidity pH- temperature - Solids:	Mr.Saravanane virumouttou
8		15,16	11.15AM – 1.15 PM	Total Solids, DissolYed	Mr.Ravisrinivas



D. S. SEENUVASANMURTHI, M.E., Ph.C.
 PRINCIPAL
 RAAK College of Engineering & Technology
 No.1, Muthupillai Palayam Road,
 Sulthanpet Post,
 Puducherry - 605 110



RAAK

COLLEGE OF ENGINEERING AND TECHNOLOGY

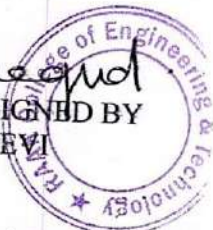
(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)

				solids, suspended solids, settleable solids - Acidity - Alkalinity - Hardness - calcium. ~lugnesium	
9		17,18	2 PM -4 PM	Sodium - Potassium - Iron- Dissolved Qxygen, BOD, COD, biological and chemical treatments.	Mr.Saravanane virumouttou
DAY -4					
10		19,20	9AM -11AM	Concept of material, energy momentum balance	Mr.Ravisrinivas
11	12.08.19	21,22	11.15AM - 1.15 PM	case study of process variables and control in typical unit operation as distillation	Mr.Saravanane virumouttou
12		23,24	2 PM -4 PM	absorption, reactors, heat exchangers	Mr.Ravisrinivas
DAY -5					
13		25,26	9AM -11AM	Automation of Assembly lines- Concept of automation in industry, mechanization and automation.	Mr.Saravanane virumouttou
14	13.08.19	27,28	11.15AM - 1.15 PM	Automation using Hydraulic systems - Design aspects of various elements of hydraulic systems such as pumps, valves, filters	Mr.Ravisrinivas
15		29,30	2 PM -4 PM	Reservoirs, accumulators, actuators and intensifiers.	Mr.Saravanane virumouttou
ASSESSMENT EXAM WILL BE CONDUCTED AFTER ONE WEEK OF COURSE COMPLETION *					

BREAK TIME: 11.00 TO 11.15 AM

LUNCH BREAK: 1.15 PM TO 2.00 PM

COURSE DESIGNED BY
Mrs.ROGINI DEVI



APPROVED BY
SKILL DEVELOPMENT TEAM

PRINCIPAL

DR. S. SEENUVASAMURTHI, M.E., Ph.D.

RAAK College of Engineering & Technology
No.1, Muthupillai Palayam Road,
Sulthanpet.Post,
Puducherry - 605 110



RAAK

COLLEGE OF ENGINEERING AND TECHNOLOGY

[Approved by AICTE, New Delhi & Affiliated to Pondicherry University]

VALUE ADDED COURSES

2019-2020

Department of Science & Humanities

EVENT REPORT

Name of the Course: 19SH02- Technical Communication

Name of the Instructors: Mr.Ravisrinivas & Mr.Saravane virumouttu

Year/ Branch: I/ S&H

Duration of Course: 36 Hours (09-08-2019 to 13-08-2019)

Assessment Date: 20.08.2019

Post Event Summary:

The course was inaugurated on 09-08-2019 at 9.30 A.M. by our respectable principal and sessions were continued as per the schedule. Students were enriched their knowledge by attending the course. Finally, the course concluded by vote of thanks.

On 20.08.2019 assessment was conducted and feedbacks were collected from all the participants.

CO - Attainment:


CO1: communicate effectively in professional life

CO2: make effective oral presentations

CO3: write business letters, memos, emails and reports

CO4: participate in various kinds of group communications




Dr. S. SEENUVASAMURTHI, M.E., Ph.D.
PRINCIPAL

RAAK College of Engineering & Technology
No.1, Muthupillai Palayam Road,
Sulthanpet Post,
Puducherry - 605 110



RAAK

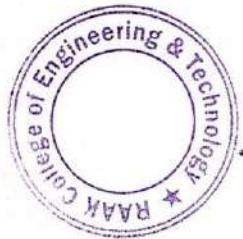
COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)

Value Added Course on Technical Communication 2019-20



BOD, COD, biological and chemical treatments on 11.08.19



Dr. S. SEENUVASAMURTHI, M.E., Ph.D.
PRINCIPAL

RAAK College of Engineering & Technology
No.1, Muthupillai Palayam Road,
Sulthanpet Post,
Puducherry - 605 110