



Approved by AICTE, New Delhi. Affiliated to Anna University, Chennai

Near NH544, Coimbatore Bypass, Near Vijayamangalam Tollgate, Tirupur 638056

NAAC DOCUMENTS

QUALITY INDICATOR FRAME WORK

CRITERION - 3

RESEARCH, INNOVATION & EXTENSIONS

SUBMITTED BY

IQAC

INTERNAL QUALITY ASSURANCE CELL

SASURIE COLLEGE OF ENGINEERING







DEPARTMENT OF MECHANICAL ENGINEERING

Ref. SCE / MECH /Students / RM / 2020 - 2021 / ODD

14.09.2020

CIRCULAR

In order to address the recent research issues in the field of multi-disciplinary Engineering areas and to overcome such research issues. Department of Mechanical Engineering in association with IQAC of our Institution, is planning to conduct two days workshop for the students of I and II year of MECH on the title "Material Science Research Methods" from 23.09.2020 to 24.09.2020. At the end of the programme, participation certificates will be issued to the participants.

Resource Person Details	Mr.N.Karthick, Manager, Suriya Machines,	Mr.E.K.Ponnusamy, Trainer, Suriya Machines,
Venue	Combatore - 641004. Online Gracet - "https://meet	Coimbatore - 641004. Lgoogle.com/bjq-ozfc-fnt"

V.V. POST

HoD/MECH

PRINCIPAL

Copy to:

- 1. Chairman & Secretary for information
- 2. Principal office
- 3. IQAC Co-Ordinator
- 4. Class In charges I and II year of MECH
- 5. I and II year of MECH Students
- MECH Notice Board
- 7. Department File

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Vijayamangalam, Tiruppur (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai - 600025)

DEPARTMENT OF MECHANICAL ENGINEERING

in association with IQAC

Cordially invites

Two days Management Development Programme (MDP)

On

"Material Science Research Methods"

Date: 23.09.2020 to 24.09.2020

Venue: Online Gmeet - "https://meet.google.com/bjq-ozfc-fnt"

Resource Persons

Mr.N.Karthick, Manager, Suriya Machines, Coimbatore-641004.

Mr.E.K.Ponnusamy, Trainer, Suriya Machines, Coimbatore-641004.

in the esteemed presence of Dr.T.S.Sivakumaran Principal

Shri A.M.Kandasıvami Chairman Ms. K. Savitha Moganraj Secretary





DEPARTMENT OF MECHANICAL ENGINEERING

Students Participation List - Research Methodology Programme

"Material Science Research Methods" From 23.09.2020 to 24.09.2020

Academic Year : 2020 - 2021 / ODD

	S.N	o. Reg N	ο.	Name of the Student	Year / Branch
	1.	73241911-	1001	AMULRAJ P	II/MLC11
	2.	73241911-	1002	ARUNKUMAR B	П/МЕСН
	3.	732419114	1003	KAVIKRISHNAN P	II/MECH
	4.	732419114	004	KISHORE B	II/MECH
	5.	732419114	006	PAVENDHAR S	II/MECH
Ĺ	6.	7324191140	-	PRIYADHARSHAN G	II/MECH
L	7.	7324191140		SELVENTHIRAN S	II/MECH
L	8.	7324191140		THIRUNAVUKKARASU S	II/MECH
	9.	7324171140		ALBERT STEEPHEN S	IV/MECH
	10.	7324171140	03	ANITH KUMAR V	IV/MECH
	11.	7324171140	04 2	ARAVINDAKUMAR G	IV/MECH
	12.	73241711400	06 I	BALAJI C S	IV/MECH
	13.	73241711400)7 E	BALAJI G	IV/MECH
/ 1	4.	73241711401	O L	DHAYANIDHI R	IV/MECH
1	5.	73241711401	1 D	HINESH KUMAR K	IV/MECH
1	6.	73241711401	2 G	ANESHKUMAR P	IV/MECH
1	7. 17	3241711401.	3 G	OWTHAM M	IV/MECH
18		32417114014		ARIHARAN M	IV/MECH
19		32417114016	H	ARI KRISHNA M	IV/MECH
20		32417114017	JA	GADEESHKUMAR M	IV/MECH
21.	73	2417114019	KA	ALIRAJ R	IV/MECH
22.	73	2417114020	KA	AMALESH P	IV/MECH
23.	73:	2417114023	KA	VINKUMAR V	IV/MECH
24.	732	2417114025	KR	ISHNAMOORTHY P	IV/MECH
25.	732	417114026	LO	GAPRIYAN E	IV/MECH
26.	732	417114028	MU	RUGANANDAM K	IV/MECH
27.	732	417114029	MU	THUPANDI M	IV/MECH
28.	7324	117114031	MY	THERAYAN K	IV/MECH







Students Participation List - Research Methodology Programme

1	S.No.	Reg No.	Name of the Student	1	Year / Branch
-		2417114032	NITHISH KUMAR R		IV/MECH
1-		2417114033	POORAGAVAN P		IV/MECH
-		417114036	RAVIKUMAR R		IV MECH
/ 3.	-		SANJAY P		IV/MECH
33			SANTHANAM P		IV/MECH
34.			SATHYANARAYANAN S		IV/MECH
35.			HEIK BARIDH A		IV/MECH
36.	73241	7114041 SI	RIDHAR S	1	V/MECH
37.	73241	7114042 SU	JGANRAJ P	1	V-MECH
38.	73241	7114043 SL	JRIYAPRAKASII P	1	V/MECH
39.	732417	114045 VA	SANTHA KUMAR S	11	V/MECH
40.	732417	114047 VE	LMURUGAN S	11	//MECH
41.	7324171	14048 VE	NGATESAN M	IV	/MECH
42.	7324171	14049 VET	RIVEL S	IV	MECH
43.	7324171	14050 VIG	NESHWARAN R	IV	MECH
44. 7	3241711	4052 VIJII	PRIYADHARSAN P	IV	MECH
45. 7	3241711	4053 VISH	NUKUMAR S	IV/	MECH
46. 7.	32417114	1301 HEYS	SON K J	11/	MECH
47. 73	2417114	501 VIGN.	ESH K S	IV/I	МЕСН
48. 73.	2417114	503 DHAN	IANJAYAN K	IV/N	месн
49. 732	4171147	01 ARUN	KUMAR K	IV/N	4ECH
50. 732	4171147	02 MYTH	ILI G	IV/N	1ECH
51. 7324	11711470	03 JAMES	JAYA PRAKASH G	IV/N	1ECH
52. 7324	1711470	4 VIJAY A	ANAND S	IV/M	ECH
	1711470.	5 PRAVEL	N KUMAR R	IV/M	ECH
	7114706	AJITHA .	A	IV/M	ECH
	7114707	THIRUM	OORTHINANDIIA R	IV/MI	-CH

52. 53. 54. 55.

Event Coordinator

V-P. P.



DEPARTMENT OF MECHANICAL ENGINEERING

Students Attendance List - Research Methodology Programme

"Material Science Research Methods"

From 23.09.2020 to 24.09.2020

Academic Year: 2020 - 2021 / ODD

S.No.	Reg No.	Name of the Student	Year /	23.09.2020		24.09.2020	
O	Reg 140.		Branch	FN	AN	FN	AN
1.	732419114001	AMULRAJ P	II/MECH	1	1	1	1
2.	732419114002	ARUNKUMAR B	II/MECH	1	1	1	1
3.	732419114003	KAVIKRISHNAN P	II/MECH	,	1	1	1
4.	732419114004	KISHORE B	II/MECH	1	1	1	1
5.	732419114006	PAVENDHAR S	II/MECH	1	,	1	1
6.	732419114007	PRIYADHARSHAN G	II/MECH	1	,	1	1
7.	732419114008	SELVENTHIRAN S	II/MECH	1	,	1	1
8.	732419114010	THIRUNAVUKKARASU S	II/MECH	A	A	1	1
9.	732417114001	ALBERT STEEPHEN S	IV/MECH	- 1	1	1	1
10.	732417114003	ANITH KUMAR V	IV/MECH	1	1	1	1
11.	732417114004	ARAVINDAKUMAR G	IV/MECH	1	1	1	1
12.	732417114006	BALAJI C S	IV/MECH	1	1	1	1
13.	732417114007	BALAJI G	IV/MECH	1	1	1	1
14.	732417114010	DHAYANIDHI R	IV/MECH	1	1	1	1
15.	732417114011	DHINESH KUMAR K	IV/MECH	1	1	1	1
16.	732417114012	GANESHKUMAR P	IV/MECH	1	1	1	1
17.	732417114013	GOWTHAM M	IV/MECH	,	1	1	1
18.	732417114014	HARIHARAN M	IV/MECH	,	1	1	1
19.	732417114016	HARI KRISHNA M	IV/MECH	,	1	1	1
20.	732417114017	JAGADEESHKUMAR M	IV/MECH	1	1	1	,
21.	732417114019	KALIRAJR	IV/MECH	,	1	1	1
22.	732417114020	KAMALESHP	IV/MECH	1	1	1	1
23.	732417114023	KAVINKUMAR V	IV/MECH	1	1	1	,
24.	732417114025	KRISHNAMOORTHY P	IV/MECH	1	,	1	1
25.	732417114026	LOGAPRIYANE	IV/MECH	1	1	1	1
26.	732417114028	MURUGANANDAM K	IV/MECH	1	1	A	A
27.	732417114029	MUTHUPANDI M	IV/MECH	1	1	1	1
28.	732417114031	MYTHERAYANK	IV/MECH	1	1	1	1







Students Attendance List - Research Methodology Programme

				23.09.2020		24.09.2020	
S.No.	Reg No.	Name of the Student	Branch	FN	AN	FN	AN
29.	732417114032	NITHISH KUMAR R	IV/MECH		1	1	1
30.	732417114033	POORAGAVAN P	IV/MECH	1	1	1	1
31.	732417114036	RAVIKUMAR R	IV/MECH	1	1	1	1
32.	732417114037	SANJAY P	IV/MECH	1	1	1	1
33.	732417114038	SANTHANAMP	IV/MECH	1	1	1	1
34.	732417114039	SATHYANARAYANAN S	IV/MECH	A	A	1	/
35.	732417114040	SHEIK BARIDH A	IV/MECH	-	1	1	1
36.	732417114041	SRIDHAR S	IV/MECH	1	,	1	1
37.	732417114042	SUGANRAJP	IV/MECH	1	1	1	1
38.	732417114043	SURIYAPRAKASH P	IV/MECH	1	1	1	1
39.	732417114045	VASANTHA KUMAR S	IV/MECH	,	1	1	1
40,	732417114047	VELMURUGAN S	IV/MECH	,	1	1	1
41.	732417114048	VENGATESAN M	IV/MECH	1	1	1	1
42.	732417114049	VETRIVEL S	IV/MECH	1	1	1	1
43.	732417114050	VIGNESHWARANR	IV/MECH	1	1	1	1
44.	732417114052	VIJIPRIYADHARSAN P	IV/MECH	1	1	1	1
45.	732417114053	VISHNUKUMAR S	IV/MECH	1	1	1	1
46.	732417114301	HEYSON K J	IV/MECH	1	1	1	1
47.	732417114501	VIGNESH K S	IV/MECH	1	1	1	1
48.	732417114503	DHANANJAYAN K	IV/MECH	1	1	1	,
49.	732417114701	ARUN KUMAR K	IV/MECH	1	,	1	1
50.	732417114702	MYTHILI G	IV/MECH	1	,	1	1
51.	732417114703	JAMES JAYA PRAKASH G	IV/MECH	1	,	1	1
52.	732417114704	VIJAY ANAND S	IV/MECH	1	1	1	1
53.	732417114705	PRAVEEN KUMAR R	IV/MECH	1	1	1	1
54.	732417114706	AJITHA A	IV/MECH	1	1	1	1
55.	732417114707	THIRUMOORTHINANDHA R	IV/MECH	1	1	1	1

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Event Coordinator

V.P. P

HoD/MECH



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Kebort	011	Research	Methodology	rrogramme

Material Science Research Methods Title:

Mr.N.Karthick, Resource Person:

Manager,

Suriya Machines,

Coimbatore - 641004.

Mr.E.K.Ponnusamy,

Trainer,

Suriya Machines,

Coimbatore - 641004.

Duration: 2 Days 24.09.2020 Date of conduct From: 23.09.2020 To:

Organized by:

MECHANICAL ENGINEERING in association with IQAC of our Institution

Academic Year:

2020 - 2021

Semester:

ODD

Participant Year:

I & II Year -MECH

No. of Students Participated:

55

Venue:

Online Gmeet - "https://meet.google.com/bjq-ozfc-fnt"

Outcome of Research Methodology Programme

At the end of the Research Methodology Programme, Students can be able to

Gain a comprehensive understanding of the principles of fluid dynamics, including conservation laws. flow regimes, turbulence modeling, and boundary layer theory.

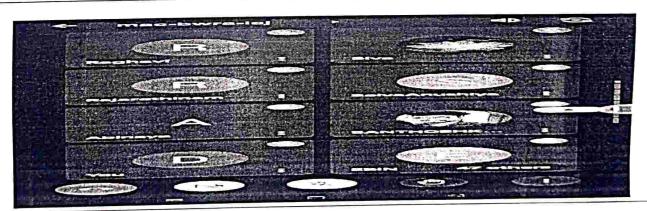
· Learn preprocessing techniques for CFD simulations, including geometry creation, mesh generation, and boundary condition specification.

· Explore different solution methods used in CFD simulations, including steady-state and transient solvers, implicit and explicit solvers, and pressure-velocity coupling algorithms.

Through hands-on exercises and case studies, participants will have the opportunity to apply CFD research techniques to real-world engineering problems.

· Network with experts in the field, exchange ideas, and identify collaborative research opportunities in CFD and related fields.

Glimpse of Research Methodology Programme Photos



HoD/ MECH

T. S. ~

Principal

Dr.M.VIJAYAKUMAR ME., Ph.D., Vijayamangalam - 638 056, Tirupur (Dt).



(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai) Vijayamangalam, Tiruppur

CERTIFICATE OF PARTICIPATION

This is to Certify that	Mr . VIJAY ANAND S, IV / MECH
has participated in the Research	n Methodology Program on "Material Science
	the Department of Mechanical Engineering in
association with "Ramdevs Motors"	and IQAC of Sasurie College of Engineering from
23.09.2020 to 24.09.2020 during t	he Academic year 2020–2021.

V. P. CV

IQAC Co-ordinator

T-J.n.

Principal

Dr.M. VIJAYAKUMAR ME., Ph.D.,

SASURIE COLLEGE OF ENGINEERING, Vijayamangalam - 638 056, Tirupur (Dt).



(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai) Vijayamangalam, Tiruppur

CERTIFICATE OF PARTICIPATION

This is to Certify that	Mr. HARIHARAN M, IV / MECH
has participated in	the Research Methodology Program on "Material Science
Research Methods" c	onducted by the Department of Mechanical Engineering ir
association with "Ram	devs Motors" and IQAC of Sasurie College of Engineering from
23.09.2020 to 24.09.2	2020 during the Academic year 2020–2021.

V.P. V

IQAC Co-ordinator

T-J.n.

Principal



(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai) Vijayamangalam, Tiruppur

CERTIFICATE OF PARTICIPATION

This is to Certify that	Mr . BALAJI C S, IV / MECH
has participated in	the Research Methodology Program on "Material Science
Research Methods" c	conducted by the Department of Mechanical Engineering in
association with "Ram	ndevs Motors" and IQAC of Sasurie College of Engineering from
23.09.2020 to 24.09.	2020 during the Academic year 2020–2021.

V. F. V

IQAC Co-ordinator

T-S.n.-

Principal





(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai) Vijayamangalam, Tiruppur

CERTIFICATE OF PARTICIPATION

This is to Certify that	Mr . AMULRAJ P, II / MECH	
has participated in	the Research Methodology Program on "Material Scien	ce
Research Methods" o	conducted by the Department of Mechanical Engineering	ir
association with "Ram	devs Motors" and IQAC of Sasurie College of Engineering fro	m
23.09.2020 to 24.09.	2020 during the Academic year 2020–2021.	

V. Z. J.

IQAC Co-ordinator

T-S.n.

Principal



(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai) Vijayamangalam, Tiruppur

CERTIFICATE OF PARTICIPATION

This is to Certify that	Mr . KISHORE B, II / MECH
has participated in	the Research Methodology Program on "Material Science
Research Methods" o	onducted by the Department of Mechanical Engineering in
association with "Ram	devs Motors" and IQAC of Sasurie College of Engineering from
23.09.2020 to 24.09.	2020 during the Academic year 2020–2021.

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IQAC Co-ordinator

T-S.n.

Principal



(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai) Vijayamangalam, Tiruppur

CERTIFICATE OF PARTICIPATION

This is to Certify that	Mr. SELVENTHIRAN S, II / MECH	
has participated in	the Research Methodology Program on "Material	Science
Research Methods" o	onducted by the Department of Mechanical Engineer	erina ir
association with "Ram	devs Motors" and IQAC of Sasurie College of Engineering	na from
23.09.2020 to 24.09.	2020 during the Academic year 2020–2021	ng non

V. P. 4

IQAC Co-ordinator

T-g.n.

Principal