



**SRI RAMAKRISHNA
ENGINEERING COLLEGE**

[Educational Service : SNR Sons Charitable Trust]

Vattamalaipalayam, N.G.G.O. Colony Post,
Coimbatore – 641022.



www.srec.ac.in

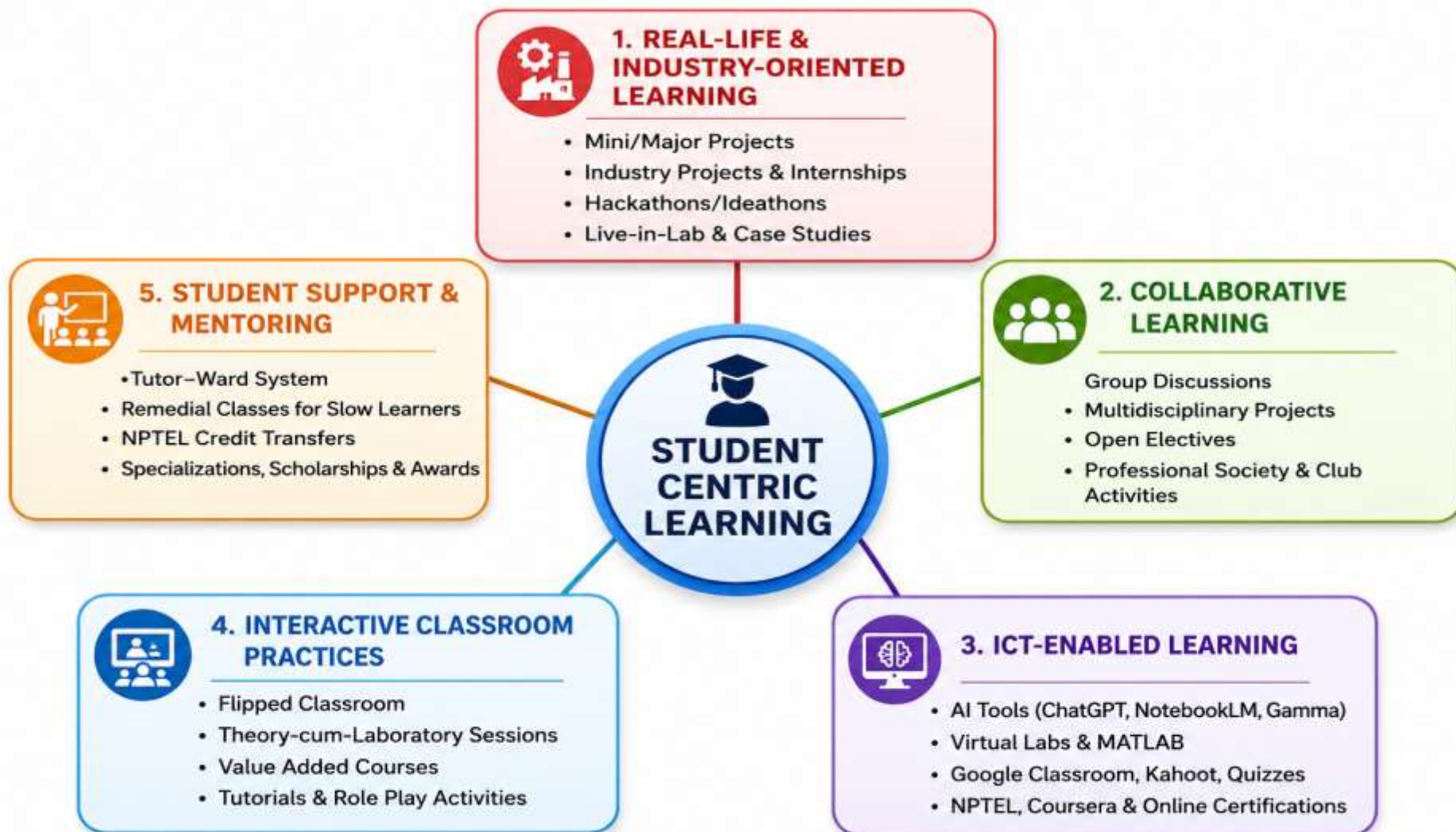


+917530089996



TEACHING LEARNING PROCESS

PEDAGOGICAL INITIATIVES



INITIATIVES TO IMPROVE THE QUALITY OF TEACHING & LEARNING

Methods to Encourage Bright Students & Support Weak Students

Co-curricular & extra Curricular activities

Competitive Exams and Higher education coaching

Training and Internships

Entrepreneurship Development Cell

Online Courses & Skill Enhancement Programmes

Remedial Classes and Counselling Sessions

Peer teaching, Assignments, ALM and Quiz

NPTEL Credit Transfer

Academic year	Online courses platform	No of students beneficiaries
2025-2026	NPTEL	16
2024-2025	NPTEL	50
2023-2024	NPTEL	13

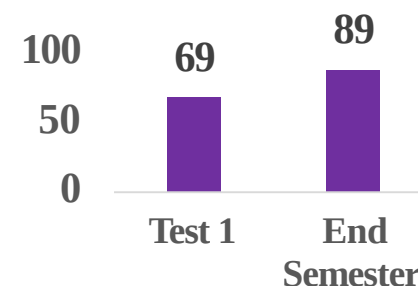
NPTEL



Remedial Classes

Medical Instrumentation Electronics

Pass Percentage



GATE RANKING

GATE 2025 Ranking



SHARMILA T
AIR-157



KIRUPPA SUDHAN A
AIR-295



SELCIA E
AIR-328



JAGADHEESWARI B V
AIR-353



PADMAJAA B
AIR-405

GATE 2026 Ranking



Susharshana K
IV BME
AIR 323



Swaneshkumar KS
III BME
AIR 372



Jagadheeswari B V
IV BME
AIR 460



Harshini N
III BME
AIR 460



Karthana Diana
III BME
AIR 502



Vaishn A
III BME
AIR 564



Shobiya Shree S S
IV BME
AIR 604



Sreetha S
IV BME
AIR 716



Dharshini S
IV BME
AIR 736



Pavithra Shri V
IV BME
AIR 775



Devanshini K
IV BME
AIR 804



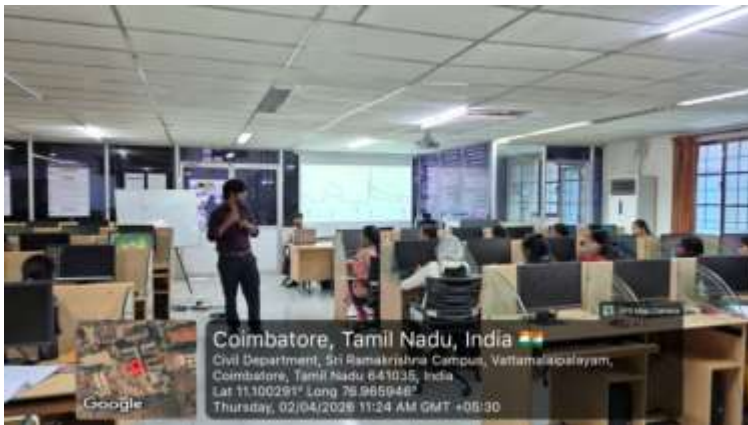
Shaliny S
III BME
AIR 848



Devasree
III BME
AIR 852

INDUSTRY INVOLVEMENT IN TEACHING LEARNING PROCESS

Partial delivery of courses



Mr. Guru Prasandh
Founder and CEO Medsby Healthcare
Engineering Solutions Coimbatore



Mr. Sunil Laxman
Technical Manager, Medox Biotech India Pvt. Ltd.,
Chennai

INDUSTRY INVOLVEMENT IN TEACHING LEARNING PROCESS

One Credit courses



Mr. Bharathi Ganesh,
CEO & Founder,
Resilience Business grids LLP,

Adjunct Faculty



Mr. Boopathi Sakthivel – Founder and CEO
Prashan Medical Technologies, Coimbatore



Mr. M. Ayyappadas
Founder and CEO, Harvey
Biomedical Bangalore

INTERNSHIP



SRI RAMAKRISHNA ENGINEERING COLLEGE (An Autonomous Institution) (Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai) (Accredited by NAAC with 'A+' Grade) VATTARAPALLEYAN NAGALA COLONY POST, COIMBATORE - 641002						
Department	Name	Title of the Internship / Industrial Training	Name and Address of the Company	From	To	Type (Duration / Industrial Training)
Instrumental	Ramkumar M	Annual Maintenance Engineering Internship	MPM Instruments, Coimbatore	08.06.2024	07.08.2024	Internship
Computer Science and Engineering	Indhira M	NIJERA-AM Workshop	ICT Academy, Chennai	15.07.2024	15.07.2024	Internship
Computer Science and Engineering	Sathya B	VIVE Design	Internship Trainings, Bangalore	17.06.2024	22.06.2024	Internship
Electrical and Electronics Engineering	Ramkumar M	PLC Programming Internship	Nucleon Technologies, Coimbatore	03.06.2024	07.06.2024	Internship
Electronics and Communication Engineering	Prasanna P	Embedded Systems and IoT	EmbeddedTech Solutions, Coimbatore	01.07.2024	01.07.2024	Internship
Mechanical Engineering	Ravi Prasad B	Design and Analysis using CATIA	CAD/CAM Training Services, Coimbatore	01.06.2024	07.06.2024	Internship
Civil Engineering	Hemil B	Construction Management Internship	H. Tech Builders, Coimbatore	01.07.2024	01.07.2024	Internship

Dr. N. SUTHERNAM, M.E., Ph.D.,
PRINCIPAL

Controller of Examinations



Ref: INTER/2024/109
Date: 26/06/2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Ramkumar M (Reg. No: 22HE123) from Sri Ramakrishna Engineering College, Coimbatore, has successfully completed his internship in PLC Programming from 03rd June 2024 to 07th June 2024.

During the internship, he was found punctual, hardworking and inquisitive.

We wish him all the very best for his future endeavours.

For Nucleon Technologies,

V. Suresh
V. Suresh
HR Manager
Nucleon Technologies, Coimbatore

WARRIOR TECHNOLOGIES
COIMBATORE

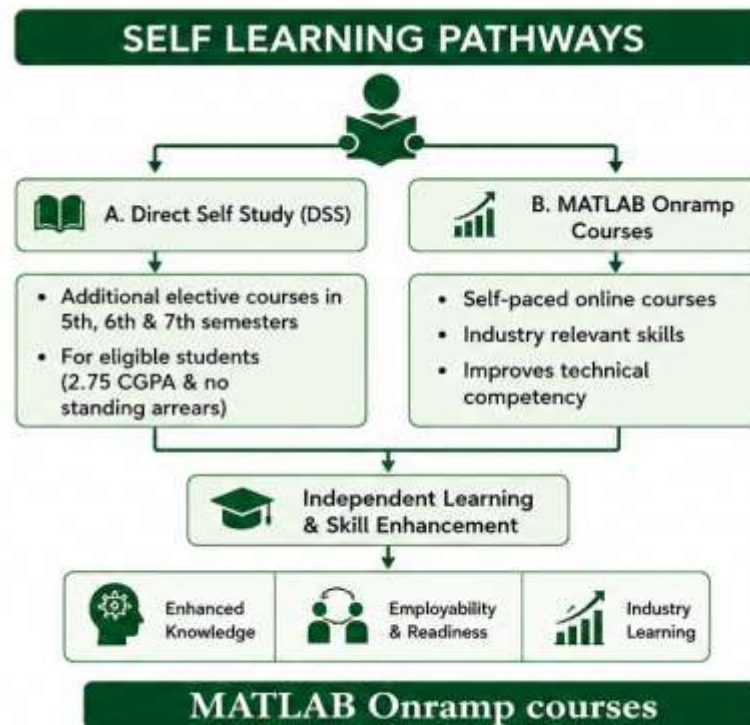
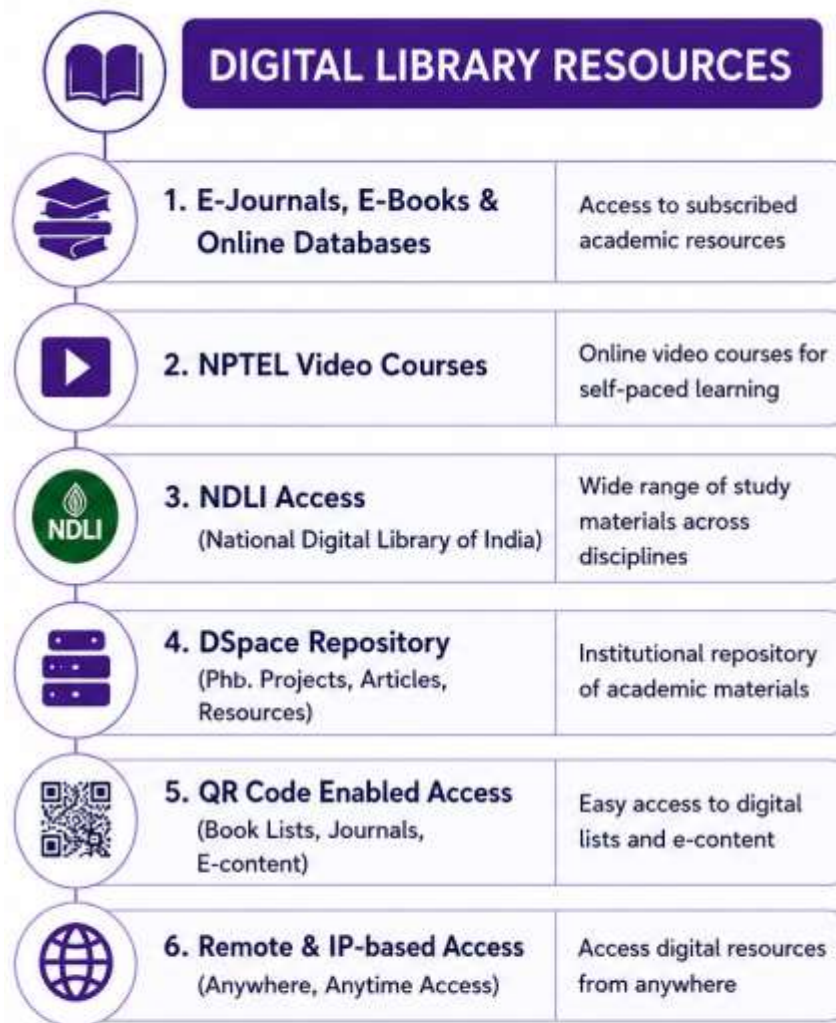
MOOCS, SELF LEARNING & DIGITAL LEARNING ECOSYSTEM



NPTEL DETAILS			
S.No.	Academic Year	Total no of students Enrolled	No of Students Completed/ beneficiaries
1	2025-2026	19	16
2	2024-2025	86	76
3	2023-2024	46	39
4	2022-2023	55	47

DIRECT SELF-STUDY COURSES			
ACADEMIC YEAR 2024-2025			
Batch	Semester	Course code & Title	Beneficiaries
2022-2026	05	20BM2E29 Assist Devices	30
	06	20BM2E30 Critical care Equipment	32
2023-2027	04	20BM2E24 Risk, Safety and Disaster management in hospitals	32
ACADEMIC YEAR 2023-2024			
Batch	Semester	Course code & Title	Beneficiaries
2021-2025	06	20BM2E29 Assist Devices	29
2022-2026	04	20BM2E24 Risk, Safety and Disaster management in hospitals	30
ACADEMIC YEAR 2022-2023			
Batch	Semester	Course code & Title	Beneficiaries
2020-2024	06	20BM2E24 Risk, Safety and Disaster management in hospitals	33
2020-2024	05	20BM2E03 IoT in healthcare	30
2021-2025	04	20BM2E24 Risk, Safety and Disaster management in hospitals	29

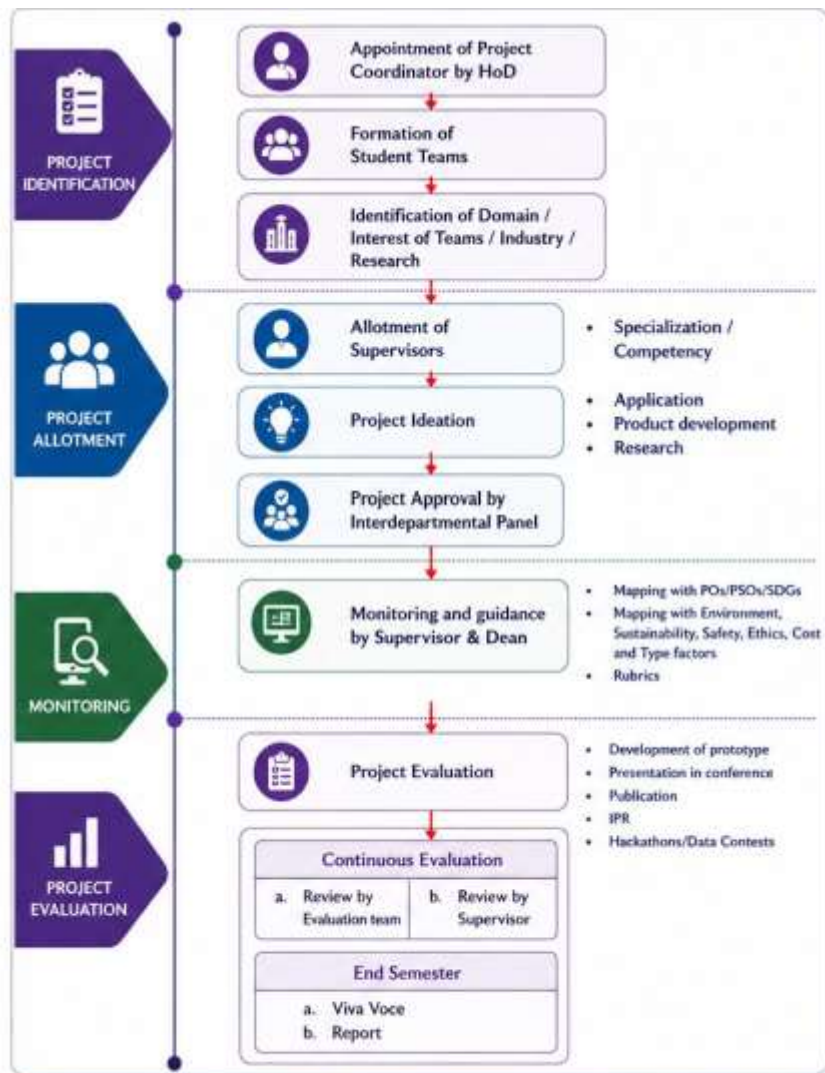
MOOCS, SELF LEARNING & DIGITAL LEARNING ECOSYSTEM



MATLAB Onramp courses

S.No.	Title of the Course	POs, PSO, SOGs	Beneficiaries
1	Machine Learning Onramp	PO1, PO2, PO5 PSO2	52
2	Signal Processing Onramp	PO1, PO2, PO5 PSO2	52
3	Image Processing Onramp	PO1, PO2, PO5 PSO2	51
4	MATLAB Onramp	PO1, PO2, PO5 PSO2	53
5	MATLAB and its Applications	PO1, PO2, PO5 PSO2	2

PROCESS OF CAPSTONE/MAJOR PROJECT



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Approved by AICTE and Permanently Affiliated to Anna University, Chennai)

(An ISO 9001:2015 Certified and all Eligible Programmes Accredited by NBA)

VATTAMALAI PALAYAM, N.G.G.O. COLONY POST, COIMBATORE - 641 022.



RUBRICS FOR MAIN PROJECT / MINI PROJECT / MEI PROJECT REVIEW

Mode of Evaluation

1. Zenith review – Conducted at the department and finalize the title
2. Review 1 – Institutional Panel Title approval and Literature survey (1st, 5th and 7th Semester)
3. Review 2 – Institutional Panel – Completion of 50% of the project work (5th, 6th and 7th Semester)
4. Review 3 – Institutional Panel – Completion of 100% of the project work, Demonstration and Tangible outcome of the project (5th, 6th and 8th Semester)

Expected Outcomes of the Project

- International Conference organized by professional societies
- Reputed Journal Publication – UGC care / Scopus (Minimum standards)
- Patent
- Product leading to start-ups
- Hackathons conducted by Government agencies and MNC's

ALLOCATION OF MARKS

Parameters	Review 1		Review 2		Review 3	
	5 th Semester	Total Marks	6 th Semester	Total Marks	8 th Semester	Total Marks
Literature survey and Identification of problem / Domain	5	20	5	20	5	20
Problem Definition & Methodology	5	20	5	20	5	20
Planning & Work Distribution	5	20	5	20	5	20
Progress & Results	5	20	5	20	5	20
Total Marks		20		20		20



From Idea to Impact – Guided, Evaluated, and Enriched for Excellence

PROJECTS - SAMPLE

01 Miniproject Review



Review and evaluation of miniprojects to foster innovative thinking and problem-solving skills.

02 AI based nasal massager for sinus relief



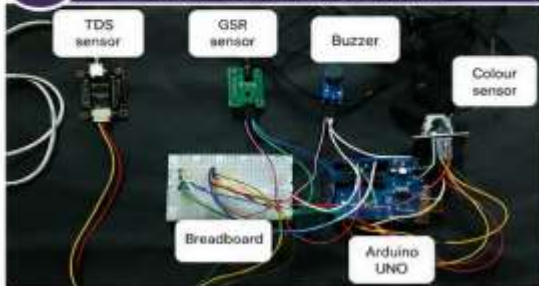
AI powered nasal massager designed to provide effective and non-invasive relief from sinus discomfort.

03 Deep Learning based Classification and detection of skin cancer



Deep learning model for accurate classification and early detection of skin cancer using dermoscopic images.

04 Smart electrolyte based cardiac risk monitoring and alert system



Real-time monitoring system to assess electrolyte levels and cardiac risk with smart alerts.

05 Green-Synthesized Chitosan Nanozyme Infused with Pomegranate Peel for Wound Healing applications.



Eco-friendly nanozyme synthesized using chitosan and pomegranate peel for enhanced wound healing applications.



HIGHLIGHTS



Application of cutting-edge technologies



Focus on real-world problems and sustainable solutions



Enhancing research, collaboration and societal impact



Encouraging innovation and student excellence

G. Lavanya R.S. Karthika

Faculty Incharge

Mrs. G. Lavanya AP(Sel-Gr)/BME

Ms. R.S. Karthika Shivaani APCOG/BME

Department of Biomedical Engineering,
Sri Ramakrishna Engineering College,
Coimbatore - 641 022.

N. Sathish Kumar

HOD - BME

Dr. N. Sathish Kumar, M.E., Ph.D.
Professor & Head
Department of Biomedical Engineering,
Sri Ramakrishna Engineering College,
Coimbatore - 641 022.