

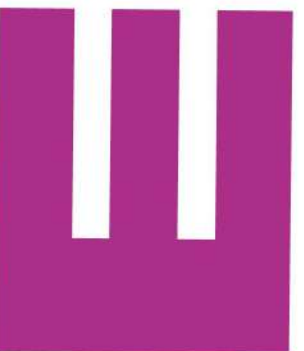
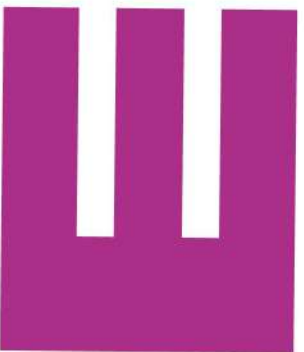
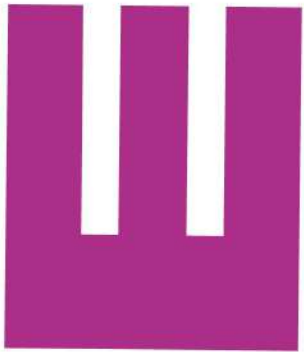


Nandha Engineering College-Autonomous

The Electrical and Electronics Engineering Department
has been Accredited by NAAC (A+) Grade & NBA.

DEPARTMENT OF EEE **MAGAZINE**

2020-2024



Vision EEE

To foster academic excellence imparting knowledge in Electrical, Electronics and allied disciplines to meet the changing needs of the society.

M

Mission EEE

To equip the students with leadership qualities for accepting the challenges in various engineering sectors.

To excel in the thrust areas of Electrical and Electronics Engineering to solve real world problems.

To empower the students to adapt the latest technologies by providing innovative learning environment

Program Educational Objectives

The graduates of Electrical and Electronics Engineering will be

PEO 1: Core Competency: A Successful professional with domain knowledge in Electrical and Electronics Engineering using emerging techniques.

PEO 2: Research, Innovation and Entrepreneurship: Able to demonstrate multi-disciplinary skills through innovation and research to meet the societal needs.

PEO 3: Ethics, Human values and Life-long learning: Able to demonstrate ethical practices and managerial skills through continual learning.

PE
OS

Program Outcomes

PO's

PO 1: Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO 2: Problem Analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO 3: Design and Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO 4: Investigation of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO 5: Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO 6: The Engineer and Society: Apply reasoning acquired by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional Engineering practice.

PO 7: Environment & Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the Knowledge of, and need for sustainable development.

PO 8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO 9: Individual and Teamwork: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO 10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO 11: Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one 's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO 12: Lifelong Learning: Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



Program Specific Outcomes

PSC

The students of Electrical and Electronics Engineering will be able to

PSO 1: Analyze, design and validate processes, products by applying knowledge and skills in Power system, Electrical Machines and Power Electronics.

PSO 2: Design and analyze the processes of smart grid and renewable energy systems using appropriate tools and techniques.

Chairman's Note



Thiru V Shanmugam

Sri Nandha Engineering Trust. I am immensely pleased to know the Nandha Engineering College has become alma mater for many of our young and future generations. Success starts with a thought or an idea when a thought or an idea when nourished with hope and confidence, that idea sprouts, blossoms and leads to action with knowledge.

Secretary Note



S Thirumoorthi

Sri Nandha Engineering Trust. Nandha Provides rich and diversified culture to hone the young brains so as to get envelope in to the challenging scenario with performance, competitiveness, value creation and other professional skills.

Principal's Note



Dr. U. S. RAGUPATHY

It gives me immense pleasure to welcome you all to Nandha Engineering College (Autonomous), an eco-friendly campus that strives with a goal to attain excellence by empowering students with sound knowledge, wisdom and experience. Our strength lies in creating pleasant ambience with an excellent infrastructure, qualified and experienced faculty, commitment to personal care, motivation to excel in academic/extracurricular activities and continuous interaction with industry. Over the past 15 years, the college has witnessed a strong blend of state-of-the-art infrastructure and dedicated human resource committed to provide professional education with thrust on creativity and innovation.

“A desire can change nothing, a decision can change something but a determination can change everything”.

HOD'S Note



Dr. Ramani .G

I feel privileged in presenting the magazine of our department. This magazine is intended to bring out the hidden literary talents among the students leadership skills among them. I am sure it will be a source of inspiration for the budding poets and writers among the students and will direct their creativity to new dimensions of mature expression. I extend my sincere thanks to the editorial team for their constant effort and support in bringing out the magazine in the present form. I acknowledge my gratitude to our principal for their continuous support to prepare these issues of magazine. Last but not least; I am thankful to all the authors who have sent their articles.

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Student Statistics

— 2020-24

EEE

Sanctioned Intake
Regular **60**

Sanctioned Intake
Lateral **06**

Management
Quota **12**

Government
Quota **51**

First
Graduate **34**

Semester 1

— ODD SEM 2020-21

TOTAL NUMBER OF STUDENTS | 47

NUMBER OF STUDENTS ATTEND CAT 1 | 47

CAT 1 PASS PERCENTAGE | 85%

NUMBER OF STUDENTS ATTEND CAT 2 | 47

CAT 2 PASS PERCENTAGE | 87%

END SEMESTER ALL CLEARED STUDENTS | 26

Sem Toppers



Thrisha A
9.568



Abinaya G
9.478



Ragul Ritheesh S
9.568

100% results achieved faculties

17GYP02
ENGINEERING PRACTICES
LABORATORY
Mr.M.MANIKANDAN, Ms.R.MONICA
Ms.R.VIJAYALAKSHMI,

100%

17GEP01
PERSONAL VALUES
Ms.P.RAMYA

100%

Semester 2

— EVEN SEM 2020-21

TOTAL NUMBER OF STUDENTS | **47**

NUMBER OF STUDENTS ATTEND CAT 1 | **47**

CAT 1 PASS PERCENTAGE | **66%**

NUMBER OF STUDENTS ATTEND CAT 2 | **47**

CAT 2 PASS PERCENTAGE | **74%**

END SEMESTER ALL CLEARED STUDENTS | **45**

Sem Toppers



Thrisha A
9.574



Abinaya G
9.468



Deepa B
9.447

100% results achieved faculties

17EYA02
PROFESSIONAL ENGLISH - II
Dr.M.MYTHILI **100%**

17GYP01
PHYSICS AND CHEMISTRY LABORATORY
Mr.R.RAVIVARMAN & Dr.N.SARAVANAN **100%**

17CYB03
ENVIRONMENTAL SCIENCE
Mr.RABI AHAMED **100%**

17EEP01
ELECTRIC CIRCUIT LABORATORY
Mr.P.KRISHNAGANDHI **100%**

17GEP02
INTER PERSONAL VALUES
Mr.B.KARTHICK PRABU **100%**

17EEC02
ELECTRIC CIRCUIT THEORY
Dr.A.SATHEESH **100%**

17PYB05
PHYSICS OF SOLIDS
Mr.R.RAVIVARMAN **100%**

17MYB02
COMPLEX ANALYSIS AND LAPLACE TRANSFORMS
Ms.A.MEGALA **100%**

Semester 3

— ODD SEM 2021-22

TOTAL NUMBER OF STUDENTS | **63**

NUMBER OF STUDENTS ATTEND CAT 1 | **62**

CAT 1 PASS PERCENTAGE | **92%**

NUMBER OF STUDENTS ATTEND CAT 2 | **59**

CAT 2 PASS PERCENTAGE | **44%**

END SEMESTER ALL CLEARED STUDENTS | **62**

Sem Toppers



Deepa B
9.623



Thrisha A
9.594



Dhivya N
9.591

100% results achieved faculties

17MYB05
TRANSFORMS AND PARTIAL DIFFERENTIAL EQUATIONS
Dr.M.MYTHILI

100%

17EEC05
FIELD THEORY
Mr.M.PRABU

100%

17EEC03
ELECTRONIC DEVICES AND CIRCUITS
Ms.K.SATHYASREE

100%

17EEC06
POWER PLANT ENGINEERING
Dr.PJAMUNA

100%

17EEP02
ELECTRONIC DEVICES AND CIRCUITS LABORATORY
Ms.K.SATHYASREE

100%

17EEC04
ELECTRICAL MACHINES-I
Mr.S.ELANGO

100%

17ITC03
DATA STRUCTURES AND ALGORITHMS
Dr.PJAMUNA

100%

17EEP03
ELECTRICAL MACHINES-I LABORATORY
Mr.S.ELANGO

100%

17GED02
SOFT SKILLS- READING AND WRITING
Dr.M.MYTHILI

100%

Semester 4

— EVEN SEM 2021-22

TOTAL NUMBER OF STUDENTS | **62**

NUMBER OF STUDENTS ATTEND CAT 1 | **61**

CAT 1 PASS PERCENTAGE | **66%**

NUMBER OF STUDENTS ATTEND CAT 2 | **61**

CAT 2 PASS PERCENTAGE | **77%**

END SEMESTER ALL CLEARED STUDENTS | **44**

Sem Toppers



Thrisha A
9.462



Dhivya N
9.455



Deepa B
9.451

100% results achieved faculties

17GED03
PERSONALITY AND CHARACTER DEVELOPMENT
Ms.A.MEGALA 

17EEX01
FUNDAMENTALS OF FIBER OPTICS AND LASER
INSTRUMENTATION Dr.T.JAYAKUMAR 

17GED01
SOFT SKILLS- LISTENING AND SPEAKING
Dr.M.MYTHILI 

Semester 5

— ODD SEM 2022-23

TOTAL NUMBER OF STUDENTS | 61

NUMBER OF STUDENTS ATTEND CAT 1 | 56

CAT 1 PASS PERCENTAGE | 44%

NUMBER OF STUDENTS ATTEND CAT 2 | 61

CAT 2 PASS PERCENTAGE | 95%

END SEMESTER ALL CLEARED STUDENTS | 51

Sem Toppers



Deepa B
9.482



Thrisha A
9.404



Ragul Ritheesh S
9.281

100% results achieved faculties

17ITC12
DATABASE SYSTEMS CONCEPTS
Ms.R.SARANYA 100%

17ITC12
CONTROL AND INSTRUMENTATION LABORATORY
Dr.T.JAYAKUMAR 100%

17GED08
ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE
Mr.S.ELANGO 100%

17EEC13
COMMUNICATION ENGINEERING
Mr.S.ELANGO 100%

17EEI01
PCB DESIGNING
Mr.V.RAVICHANDRAN 100%

17EEC12
CONTROL SYSTEMS
Mr.V.RAVICHANDRAN 100%

Semester 6

— EVEN SEM 2022-23

TOTAL NUMBER OF STUDENTS | 60

NUMBER OF STUDENTS ATTEND CAT 1 | 56

CAT 1 PASS PERCENTAGE | 43%

NUMBER OF STUDENTS ATTEND CAT 2 | 60

CAT 2 PASS PERCENTAGE | 57%

END SEMESTER ALL CLEARED STUDENTS | 56

Sem Toppers



Deepa B
9.496



Dhivya N
9.364



Thrisha A
9.326

100% results achieved faculties

17EEX11
BIO MEDICAL INSTRUMENTATION AND ITS APPLICATIONS
Ms.R.VIJAYALAKSHMI

100%

17EEX18
POWER QUALITY
Mr.V.RAVICHANDRAN

100%

17EEX13
POWER ELECTRONICS FOR RENEWABLE ENERGY SYSTEMS
Dr.PJAMUNA

100%

17EYX01
EFFECTIVE COMMUNICATION
Ms.N.M.INDUMATHI

100%

17CSX31
PROBLEM SOLVING AND PROGRAMMING
Ms.N.M.INDUMATHI

100%

17EYZ04
EMPLOYABILITY ENHANCEMENT AND ANALYTICAL SKILLS
Ms.N.M.INDUMATHI

100%

17EEP08
MICROPROCESSOR AND MICROCONTROLLER LABORATORY
Ms.C.PRATHEEBA

100%

17GED06
COMPREHENSION
Dr.T.JAYAKUMAR

100%

17EEI02
PLC AUTOMATION
Mr.V.RAVICHANDRAN

100%

17EEI02
CONSTITUTION OF INDIA
Mr.V.RAVICHANDRAN

100%

Semester 7

— ODD SEM 2023-24

TOTAL NUMBER OF STUDENTS | **61**

NUMBER OF STUDENTS ATTEND CAT 1 | **61**

CAT 1 PASS PERCENTAGE | **57%**

NUMBER OF STUDENTS ATTEND CAT 2 | **61**

CAT 2 PASS PERCENTAGE | **66%**

END SEMESTER ALL CLEARED STUDENTS | **58**

Sem Toppers



Deepa B
9.451



Dhivya N
9.377



Thrisha A
9.301

100% results achieved faculties

17EEC17
ELECTRIC DRIVES AND CONTROL
Dr.PJAMUNA

100%

17TZ06
DATASTRUCTURES USING C
Mr.V.ARUNKUMAR

100%

17EEX42
INTERNSHIP
Dr.PJAMUNA

100%

17EEP09
POWER SYSTEM SIMULATION LABORATORY
Mr.P.KRISHNAGANDHI

100%

17EED01
PROJECT WORK I
Dr.PJAMUNA

100%

17EEI03
SCADA AUTOMATION
Mr.V.RAVICHANDRAN

100%

Proctor Meeting

Mr.B.Ramraj M.E.,
Mr.V.Arunkumar M.E



2021-2022



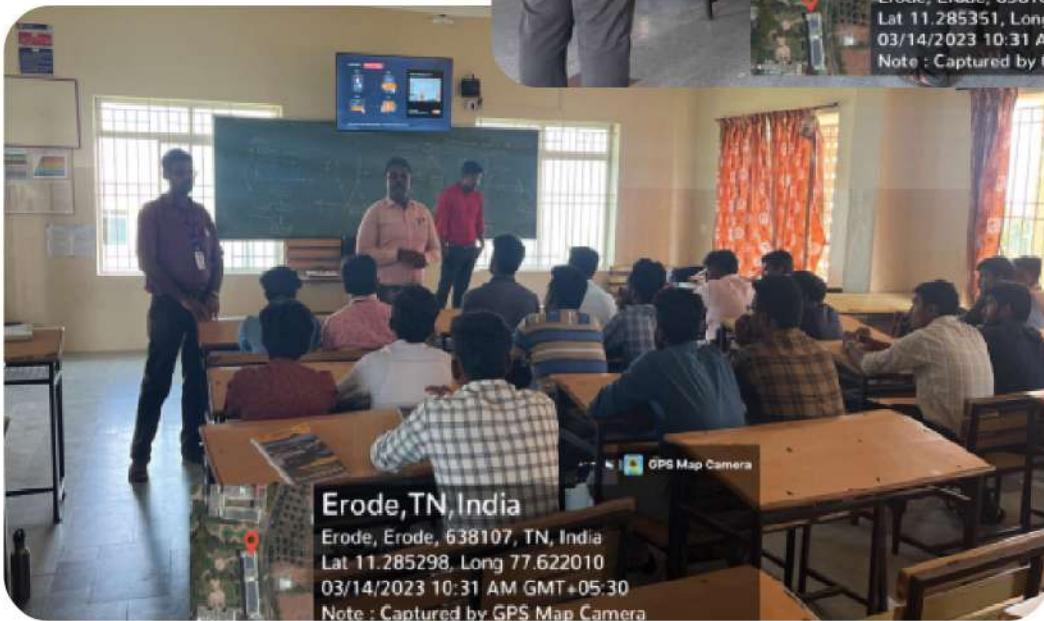
2022-2023

2023-2024



Industrial Seminar

On Full Stack
Development
Mean Stack



One Credit Course



Number of students
course attended **28**

Number of students
all-cleared **28**

Subjects

17EEI01
PCB DESIGNING
Mr.V.RAVICHANDRAN **100%**

17EEI02
PLC AUTOMATION
Mr.V.RAVICHANDRAN **100%**

17EEI03
SCADA AUTOMATION
Mr.V.RAVICHANDRAN **100%**



One credit course in SCADA Automation

NPTEL Certified Students



Dhivya N
Conservation Geography
Final Score : 96

Intro to Internet of things
Final Score : 86



Thrisha A
Conservation Geography
Final Score : 95

Intro to Internet of things
Final Score : 85



Deepa B
Conservation Geography
Final Score : 95

Intro to Internet of things
Final Score : 85



Gowtham V
Intro to Internet of things
Final Score : 78



Gokul T
Intro to Internet of things
Final Score : 53



Santhosh S
Data Structure & Algorithm
using JAVA
Final Score : 55



Sanjay Sabari S
Intro to Internet of things
Final Score : 56

Extra & Co-Curricular Activities

— 2020-24

Extra Curricular



Logendran M
20EE021
CM Trophy
Winner



Logendran M
20EE021
Cricket Winner
in Intra College
Event



Sampath Kumar R
20EE030
Volley Ball Winner
in Intra College
Event



Sampath Kumar R
20EE030
Volley Ball Runner



Logendran M
20EE021
JCI Rolling
Trophy



Sundara
Vignesh KS
20EE040
Super Singer
Participation

Dhivya N
20EEL05
Paper
Presentation



Dharaneesh K &
Hari Krishnan B
20EE005,20EE014
Paper
Presentation



Dhivya N
20EEL05
Workshop

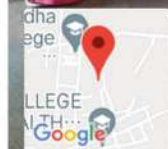


Dhivya N,Mythili R
Thrisha A
20EEL05,20EE024
20EE045
Workshop



Co-Curricular Activities

Deepa B
Dhivya N



Vaikalkalmedu, Tamil Nadu, India
7JMC+XQ8, Vaikalkalmedu, Tamil Nadu 638052, India
Lat 11.284927°
Long 77.62203°
20/05/22 11:32 AM

Intra Department Event and Workshop

Workshop on CAD



Events



Cook Without Fire



Quiz



Paper Presentation



Art and Crafts

— Nandha's Sports Day



OVERALL CHAMPIONSHIP 2024



ATHLETICS 10000



RELAY WINNER



DEPARTMENT CAPTAIN



VOLLEY BALL WINNER



CRICKET RUNNER

Placement Records

— 2023-24



Sindhuvarshini K
Accenture- 4.5LPA



Sundara Vignesh KS
ITC Info Tech - 4.25 LPA



Mythili R
Wonjin- 2.28 LPA



Prasanth RJ
Wonjin- 2.28 LPA



Gokulapriya S
Wonjin- 2.28 LPA



Harikrishnan B
Wonjin- 2.28 LPA



Deepika P
Domex- 2.2 LPA



Gokul S
NCR - 2.04 LPA



Logendran M
NCR - 2.04 LPA



Dhanajay Deepak S
NCR - 2.04 LPA



Ragul Ritheesh S
NCR - 2.04 LPA



Karthikeyan G
NCR - 2.04 LPA



Thrisha A
Mobi Tech - 1.5 LPA



Santhosh Kumar C
Real Tech - 1.5 LPA



Dhandapani Steel
Specialised in Manganese & Alloy Steel Castings

Internship

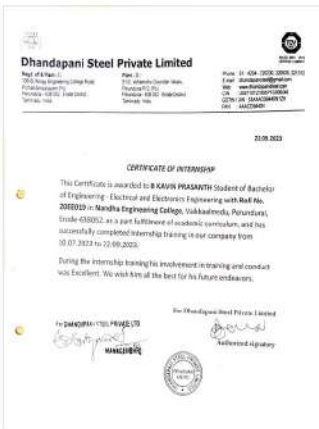
— 2023-24



Internship at Mobitech



Internship at Real Tech Systems



Internship Records



Velmurugan S
Real-Tech



Vasudevan C
Real-Tech



Suriya Prakash N
Mobi Tech



Sudharsan J
Real Tech



Sridhar S
Real Tech



Shiva G
Real Tech



Sanjay P
Real Tech



Sampath Kumar R
Real Tech



Rohith D
Real Tech



Manoj A
Honey Iconics



Dinesh V
Honey Iconics



Jeffrin Samuel S
Honey Iconics



Dhanush Kumar R
Real Tech



Kavin Prasarath B
Dhandapani Steels



Dhinakaran D
IFCS

Students Portfolio Survey



S.No	Register Number	Name	Project	Club Activities	Extra & Co-Curricular Activities
1	20EE001	ABINAYA G	✓	✓	✓
2	20EE002	DEEPA B	✓	✓	✓
3	20EE003	DEEPIKA P	✓	✓	✓
4	20EE004	DHANUSHKUMAR R	✓	✓	✓
5	20EE005	DHARANEESH K	✓	✓	✓
6	20EE007	DINESH V (DOB-09-07-2003)	✓	✓	✓
7	20EE008	DINESH V (DOB-09-10-2002)	✓	✓	
8	20EE009	GOKUL S	✓	✓	✓
9	20EE010	GOKULAN S	✓	✓	✓
10	20EE011	GOKULAPRIYA S	✓	✓	✓
11	20EE012	GOWTHAM M	✓	✓	
12	20EE013	GOWTHAM V	✓	✓	
13	20EE014	HARIKRISHNAN B	✓	✓	✓
14	20EE015	INDIRA PRABHA R	✓	✓	✓
15	20EE016	JEFFRIN SAMUEL S	✓	✓	✓
16	20EE017	KARTHI P	✓	✓	
17	20EE018	KARTHIKEYAN G	✓	✓	✓
18	20EE019	KAVIN PRASANTH B	✓	✓	✓
19	20EE020	LINGESWARAKUMAR R	✓	✓	
20	20EE021	LOGENDRAN M	✓	✓	✓
21	20EE022	MANOJ A	✓	✓	✓
22	20EE023	MOHAN CHANDRU R	✓	✓	✓
23	20EE024	MYTHILI R	✓	✓	✓
24	20EE025	PRASANTH R J	✓	✓	✓
25	20EE026	PRIYADHARSHINI S	✓	✓	✓
26	20EE027	RAGUL RITHEESH S	✓	✓	✓
27	20EE028	ROHITH D	✓	✓	
28	20EE029	SABARINATH V	✓	✓	✓
29	20EE030	SAMPATHKUMAR R	✓	✓	✓
30	20EE031	SANJAY P	✓	✓	
31	20EE032	SANJAYSABARI S	✓	✓	
32	20EE033	SANKAR L	✓	✓	
33	20EE034	SEKAR P	✓	✓	✓
34	20EE035	SHIVA G	✓	✓	✓
35	20EE036	SINDHUVARSHNI K	✓	✓	✓
36	20EE037	SRIDHAR S	✓	✓	✓
37	20EE038	SUDHAN R	✓	✓	
38	20EE039	SUDHARSAN J	✓	✓	
39	20EE040	SUNDARA VIGNESH K S	✓	✓	✓
40	20EE041	SURIYAPRAKASH N	✓	✓	

Students Portfolio Survey



S.No	Register Number	Name	Project	Club Activities	Extra & Co-Curricular Activities
41	20EE042	TAMIL SELVAN V	✓	✓	✓
42	20EE043	TAMILSELVAN G	✓	✓	
43	20EE044	THANUSH P	✓	✓	✓
44	20EE045	THRISHA A	✓	✓	✓
45	20EE046	VASUDEVAN C	✓	✓	
46	20EE047	VELMURUGAN S	✓	✓	✓
47	20EEL01	AJITH KUMAR K	✓	✓	
48	20EEL03	DHANANJAYDEEPAK S	✓	✓	✓
49	20EEL05	DHIVYA N	✓	✓	✓
50	20EEL06	DINAKARAN D	✓	✓	✓
51	20EEL07	DINESH V	✓	✓	
52	20EEL08	GOKUL T	✓	✓	✓
53	20EEL09	GOWTHAM R	✓	✓	✓
54	20EEL10	KAVIYA A	✓	✓	✓
55	20EEL11	LOGESH R	✓	✓	✓
56	20EEL13	PRAVEEN K	✓	✓	✓
57	20EEL14	RAMESH S	✓	✓	✓
58	20EEL15	SANJEEV K	✓	✓	
59	20EEL16	SANTHOSHKUMAR C	✓	✓	✓
60	20EEL17	VIKRAM P	✓	✓	✓
Mapping with PO'S			1 to 12	6 to 12	6 to 12
PO Attained Percentage			100%	100%	71.67%

Poem

— B Kavın Prasanth
20EE019



நண்பர்கள்

நண்பர்கள் கூடிய நாள்.
இன்னும் உண்டு பகிர்ந்த நகைகள்.
ஒருவருக்கு உதவி செய்வோம்.
மற்றொருவர் கூட சாதனை செய்வோம்.

கனவுகள் எல்லாம் சேரும்.
செய்யும் நடக்கை எல்லாம் போலாம்.
சிரிக்கவும் கலக்கவும்.
வாழ்க்கையின் முகம் ஒருவர் மேல் அடியில் நாம் போலாம்.

பொருத்தமான நட்பு விடும் பொருளை.
விளையாடும் பார்வைகளில் நம்மை நாம் பற்றி.
நட்புக்கள் போலவே சமைக்கும்.
அவர்களுக்கும் நமக்கும் மீளும் நிலை போலாம்.

உன்னைப் போல நானும் இருக்கிறேன்.
என் கண்களில் உன்னை நான் பார்க்கிறேன்.
நம் நட்பு மறைந்துபோகவோ.
மறைந்துபோகிறதைப் பார்த்து என்னை நீ மறந்துவிடு.



Drawings

— R Mythili
20EE024



Editorial Team



Thanush P
Magazine Designer



**Kavin
Prasanth B**
Department Secretary



Mr. B. Ramraj
Academic Co-ordinator
(2020-2024)



Mr. V. Arunkumar
AP/EEE



Dr. G. Ramani
Head of the Department