



SAPTHAGIRI COLLEGE OF ENGINEERING

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057

Affiliated to VTU, Belagavi and approved by AICTE, New Delhi

Accredited by NAAC with "A" grade, Accredited by NBA for CSE, ISE, ECE, EEE, ME

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3.4.2. Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year (2023-2024):

INDEX- ACTIVITIES UNDER MOUs

Sl. No.	Organization with which MoU is signed	Name of the institution/ industry/ corporate house	Activities conducted	No. of Participants	Page No.
1.	VOWELS Advanced School of Learning and Research Private Ltd.	Dept. of BT, Sapthagiri College of Engineering	Hands on training on cell culture and CRISPER CAS	53	02 – 10
2.			Internship	10	11 – 25
3.	Karunadu Technologies Private Limited	Dept. of CSE, Sapthagiri College of Engineering	Skill Enhancement Program, Internship	177	26 – 31
4.	Alnitak Solutions Private Limited	Dept. of CSE, Sapthagiri College of Engineering	Skill Enhancement Program, Internship	57	
5.	Nano Robotics Embed Technologies	Dept. of CSE, Sapthagiri College of Engineering	Internship	17	
6.	Nano Robotics Embedded Technologies	Dept. of EEE, Sapthagiri College of Engineering	Internship	23	32 – 53
7.	Karunadu Technologies Private Limited	Dept. of ISE, Sapthagiri College of Engineering	Internship	145	54 – 64
8.	Alnitak solutions private limited	Dept. of ISE, Sapthagiri College of Engineering	Internship	84	

*Type of event/activity	Hands on training workshop
Name/Title of the Activity/Event	"CRISPR/CAS Gene Editing: potential Tool in Therapy and Diagnostics"
Date of Organization	15th May to 19th May 2023
Venue (with address)	Department of Biotechnology (SCE)
Organized by	Co-ordinator: Prof. Ramya D L and Dr. Chaitra B S
Objectives of the event/activity	<p>The main objective of ethics in research publications are:</p> <ol style="list-style-type: none"> 1. Day 1: - Topic1-Fundamentals of CRISPR/Cas9; Topic 2- Edit out HIV 2. Day 2: - discussion and troubleshooting mini project 1 3. Day 3: - Design PCR primers to validate gene editing (mini project 2). 4. Day 4: - CRISPR based diagnoses (cas12 and cas 13). 5. Day 5: - Applications of CRISPR in modern medicine.
Participants (Please attach list of participants, if it is organized/conducted in the dept.))	53 participants
Mention organized /participated/attended	Organized

Event Description:

The Department of Biotechnology organized a Hands-on Workshop on "CRISPR/CAS Gene Editing: potential Tool in Therapy and Diagnostics" under the banner of The Institution of Engineers (India) Student chapter on 15th May to 19th Nov 2023 from 1:00 pm to 4:00 pm in association with Shruti Forum, BT, SCE.

Chaitra

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore-560 057

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Bangalore - 560 057

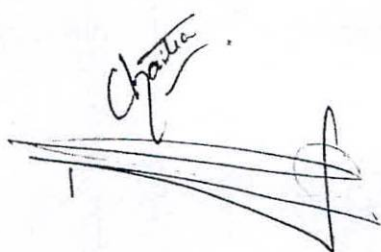
The session was open for the faculties and students of Biotechnology Department. The resource persons for the Hands-on workshop session are Dr. Gokul Kesavan, Co-founder & Chief Scientific Officer VOWELS.

The objective of the Workshop is to make understand and provide ethical knowledge regarding:

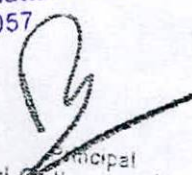
1. Before introducing to the genome editing, some of the basic abbreviations with the definitions were given as a quiz in order to have some idea, i) CRISPR -Clustered Regularly Interspaced Short Palindromic Repeats, ii) Cas CRISPR-associated systems (enzyme), iii) cr RNA -CRISPR RNA.
2. Introduction to gene editing, CRISPR and background Genome editing is the generation of permanent changes in the DNA sequences of a cell or an organism. Various enzymes/methods like mega-nucleases, ZFN, and TALEN are used for genome editing. Recently, CRISPR has proven to be an efficient method for creating site directed genome editing.
3. Work flow for a CRISPR experiment was given in order to edit the given gene and confirming by suing different methods and characterization.
4. In order to design the sgRNA, there are multiple online resources like CHOP-CHOP for designing the target site (<https://chopchop.cbu.uib.no/>). Even Live demonstration and projects are also assigned to train on using the application.
5. Validation and successful editing and downstream characterization Introducing Cas9 and a gRNA into cells (possibly along with a donor template) will result in a mixed population of cells. Following the introduction of a Cas9-mediated double-strand break (DSB) in mammalian cells, cellular machinery repairs the DSB by non-homologous end joining (NHEJ) or homology-directed repair (HDR).

The Hands-on Workshop had an interactive session where students and faculties of Biotech department, SCE have participated, learnt and benefited with information related to the role of ethics in research publications. About 50+ participants participated in the session. It was an enlightening and fruitful event.

The session was started by welcome speech by Dr. Veena S More, HOD, BT, SCE and followed by introduction by Prof. Ramya D L, Program Co-Ordinator, formal vote of thanks was delivered by Dr Chaitra B S, Program Co-Ordinator.



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Bangalore-560 057



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AY: 2022-2023
2022- EVEN

Sri Srinivasa Educational & Charitable Trust
SAPTHAGIRI COLLEGE OF ENGINEERING

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Department of Biotechnology (May-2023)

Brochure:



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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057
Web: www.sapthagiri.edu.in, Email: principal@sapthagiri.edu.in,
Phone: 086-28 372800/1/2 Fax: 086-28 372797



DEPARTMENT OF BIOTECHNOLOGY

The Indian Institute of Engineers (IEI) student chapter
Organizing

Skill Development Program
for
BE Biotechnology students

HANDS ON TRAINING WORKSHOP

"CRISPR/CAS Gene Editing: Potential tool in Therapy and Diagnostics"

CHIEF PATRONS

Sri. Dayananda G
Chairman, SCE

Sri. G D Manoj
Managing Director,
SCE

Dr. Ramakrishna H
Principal

Dr. Veena S More
HOD

Dr. Chaitra B S
IEI Convenor

PROGRAM CO-ORDINATORS

Dr. Chaitra B S
&
Prof. Ramya D L

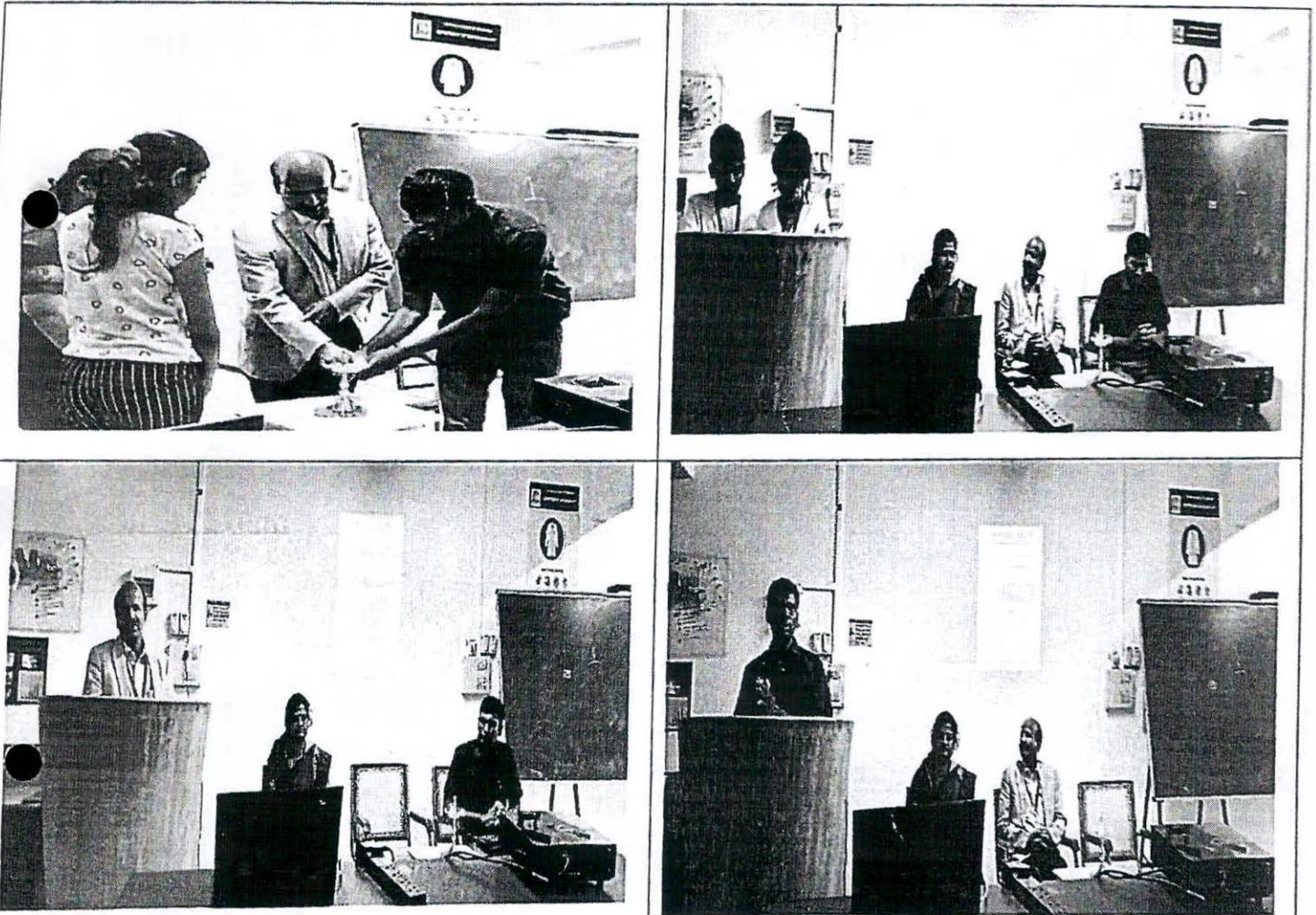
Resource person:
Dr. Gokul Kesavan
Co-founder & Chief Scientific Officer
VASLR

DURATION:
5 days
15th to 19th May 2023

Every participant will receive certificate at the end of workshop

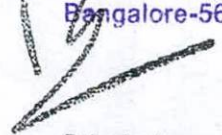
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057
Bengaluru- 560 057

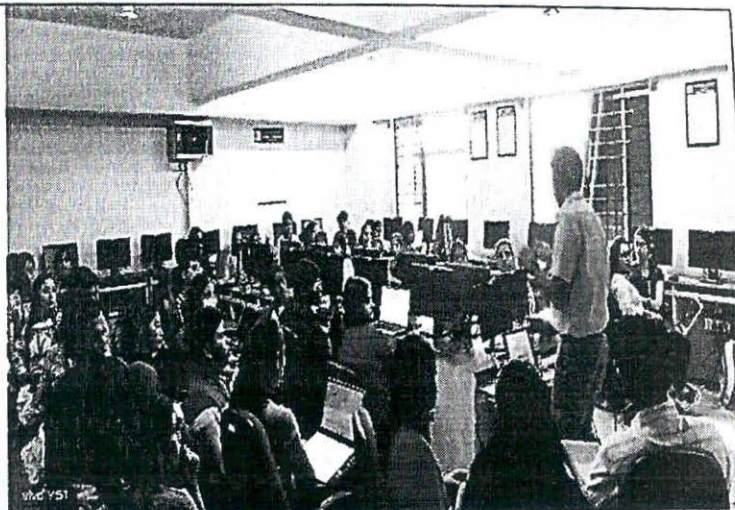
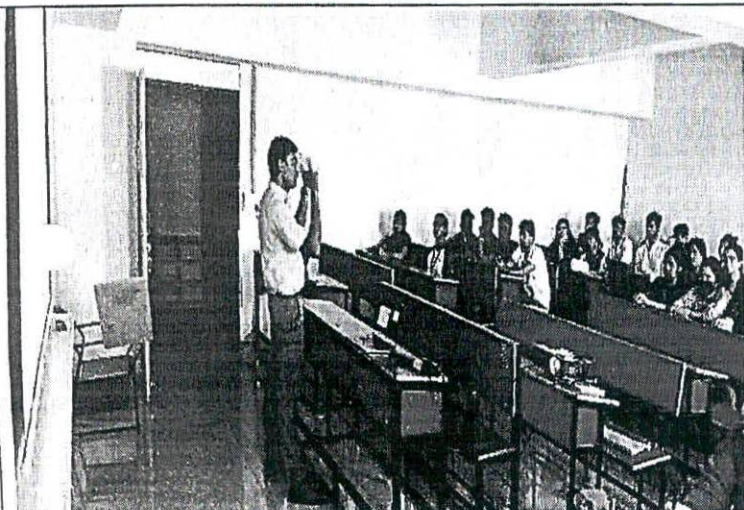
Images of the Event:




Workshop Inauguration Event


Principal
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Bengaluru-560 057


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14/5, Chikkasandra, Hesaraghatta Main Road
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Active participation of students during the work shop



SAPTHAGIRI COLLEGE OF ENGINEERING
Department of Biotechnology
HANDS ON TRAINING WORKSHOP

ADVISORS
Principal: Dr. Ramakrishna
HOD BT: Dr. Veena S. Jyoti
Chairman: Dr. Soumya C.
JCA: Dr. Chaitra B. S.




PATRONS
Chairman, SCE: Smt. Dayananda G.
Managing Director, SCE: Dr. Gokul Resavan

Valedictory

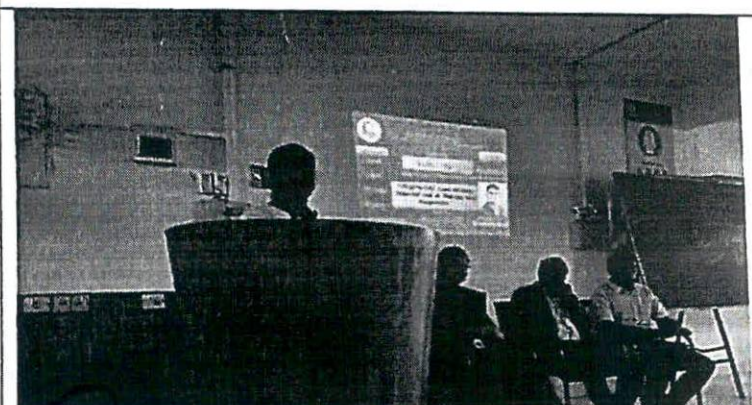
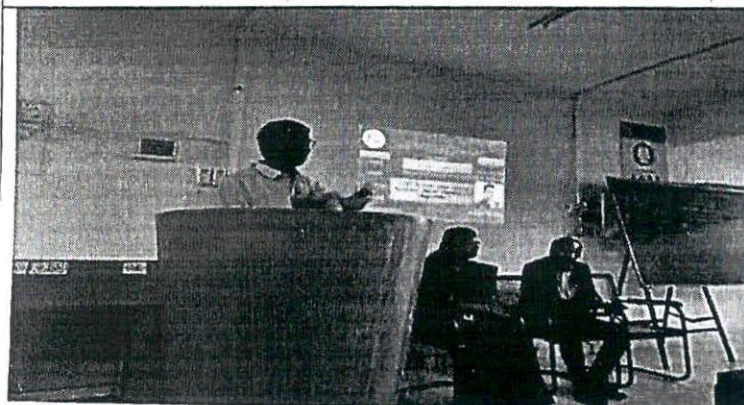
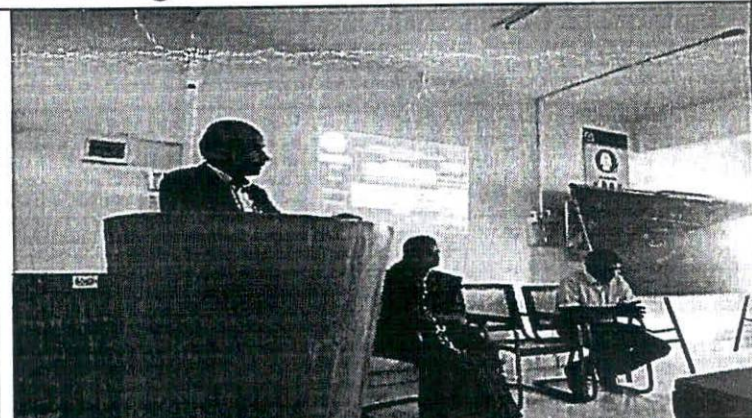
"CRISPR/CAS Gene Editing: Potential tool in Therapy and Diagnostics"

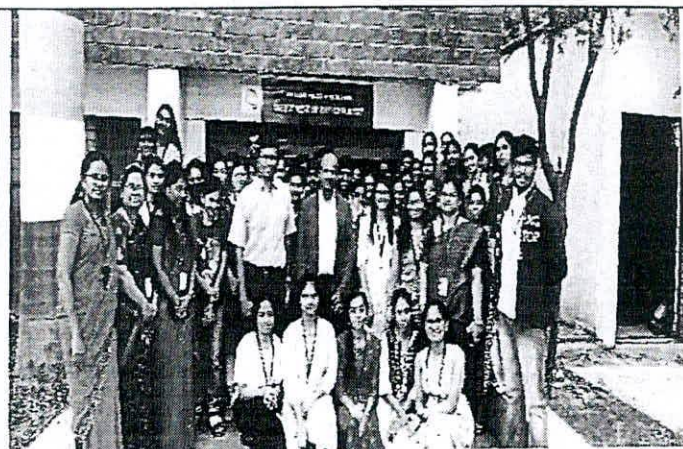
Organized by: Dr. Chaitra B. S.

Date: 17 May 2023
Time: 11:00 AM



Dr. Gokul Resavan





Handing over certificates to students and Valedictory Event of the Workshop

At the end map PO's (with 3/2/1):

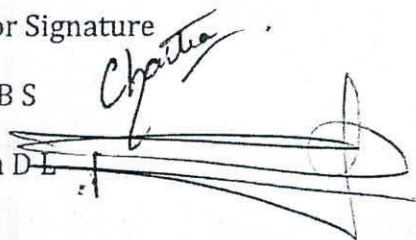
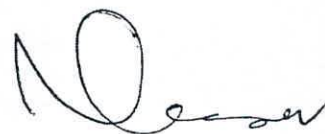
PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
2	2	3	3	-	3	-	-	2	3	-	2

Date of Submission: 23/05/2023

Co-ordinator Signature

Dr. Chaitra B S

Prof. Ramya D L

Signature of the HOD, BT
Head of the Department
Dept. of Bio-Technology
Sapthagiri College of Engineering
No. 57/1, Chikkasandra
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Department of Biotechnology

Hands on training workshop- May 2023

Attendance sheet of HANDS ON TRAINING WORKSHOP

Titled: "CRISPR/CAS Gene Editing: Potential tool in Therapy and Diagnostics"

Sl No.	USN No.	Student Name	15/05/2023	16/05/2023	17/05/2023	18/05/2023	19/05/2023
1.	1SG20BT001	Aastha Roy					
2.	1SG20BT002	Abdulsamad A Hazratbhai					
3.	1SG20BT003	Aishwarya BI					
4.	1SG20BT004	Alice Jennifer					
5.	1SG20BT005	Amina Farheen					
6.	1SG20BT006	Amoghavarsha G					
7.	1SG20BT007	Ananya B S					
8.	1SG20BT008	Annapareddy Trinayanireddy					
9.	1SG20BT009	Asfia Sultana					
10.	1SG20BT010	Bhoomika B V					
11.	1SG20BT011	Chaithra Shree A					
12.	1SG20BT012	Chetan Kagineelli					
13.	1SG20BT013	Chethana R					
14.	1SG20BT015	Deekshitha M					
15.	1SG20BT016	Deepika Prakash					
16.	1SG20BT017	Deepthi P M					
17.	1SG20BT018	Dhanush Hallikar S					
18.	1SG20BT019	Dharani G					

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19.	1SG20BT020	Divya K N	Divya K N	Divya K N	Divya K N	Divya K N	Divya K N
20.	1SG20BT021	G L Nikhil Kumar Reddy	G L Nikhil Kumar Reddy	G L Nikhil Kumar Reddy	G L Nikhil Kumar Reddy	G L Nikhil Kumar Reddy	G L Nikhil Kumar Reddy
21.	1SG20BT022	Ganavi N	Ganavi N	Ganavi N	Ganavi N	Ganavi N	Ganavi N
22.	1SG20BT023	Gayathri S	Gayathri S	Gayathri S	Gayathri S	Gayathri S	Gayathri S
23.	1SG20BT024	Harshitha Reddy G	Harshitha Reddy G	Harshitha Reddy G	Harshitha Reddy G	Harshitha Reddy G	Harshitha Reddy G
24.	1SG20BT025	J Joylynn Grace	J Joylynn Grace	J Joylynn Grace	J Joylynn Grace	J Joylynn Grace	J Joylynn Grace
25.	1SG20BT027	K Narahari	K Narahari	K Narahari	K Narahari	K Narahari	K Narahari
26.	1SG20BT031	Namita Krishnakumar	Namita Krishnakumar	Namita Krishnakumar	Namita Krishnakumar	Namita Krishnakumar	Namita Krishnakumar
27.	1SG20BT033	Nesara M	Nesara M	Nesara M	Nesara M	Nesara M	Nesara M
28.	1SG20BT034	Niranjana M	Niranjana M	Niranjana M	Niranjana M	Niranjana M	Niranjana M
29.	1SG20BT035	Nischitha K S	Nischitha K S	Nischitha K S	Nischitha K S	Nischitha K S	Nischitha K S
30.	1SG20BT036	Nitheesh S	Nitheesh S	Nitheesh S	Nitheesh S	Nitheesh S	Nitheesh S
31.	1SG20BT037	P Swathi	P Swathi	P Swathi	P Swathi	P Swathi	P Swathi
32.	1SG20BT039	Prathiksha Gs	Prathiksha Gs	Prathiksha Gs	Prathiksha Gs	Prathiksha Gs	Prathiksha Gs
33.	1SG20BT040	Pravalika Kv	Pravalika Kv	Pravalika Kv	Pravalika Kv	Pravalika Kv	Pravalika Kv
34.	1SG20BT041	Priyanka V	Priyanka V	Priyanka V	Priyanka V	Priyanka V	Priyanka V
35.	1SG20BT042	Raksha K	Raksha K	Raksha K	Raksha K	Raksha K	Raksha K
36.	1SG20BT043	Raksha S	Raksha S	Raksha S	Raksha S	Raksha S	Raksha S
37.	1SG20BT044	Rakshith R	Rakshith R	Rakshith R	Rakshith R	Rakshith R	Rakshith R
38.	1SG20BT045	Ranjitha C M	Ranjitha C M	Ranjitha C M	Ranjitha C M	Ranjitha C M	Ranjitha C M
39.	1SG20BT046	Rumana Banu	Rumana Banu	Rumana Banu	Rumana Banu	Rumana Banu	Rumana Banu
40.	1SG20BT047	S N Megha Mourya Nandan	S N Megha Mourya Nandan	S N Megha Mourya Nandan	S N Megha Mourya Nandan	S N Megha Mourya Nandan	S N Megha Mourya Nandan

Charities

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41.	1SG20BT029	Khushi Bhavani K Singh	Khushi	Khushi	Khushi	Khushi	Khushi
42.	1SG20BT049	Sanjana S S	Sanjana	Sanjana	Sanjana	Sanjana	Sanjana
43.	1SG20BT050	Savitha M	Savitha	Savitha	Savitha	Savitha	Savitha
44.	1SG20BT051	Sharon Raj	Sharon	Sharon	Sharon	Sharon	Sharon
45.	1SG20BT052	Smrithi B	Smrithi	Smrithi	Smrithi	Smrithi	Smrithi
46.	1SG20BT053	Sudiksha K Kumar	Sudiksha	Sudiksha	Sudiksha	Sudiksha	Sudiksha
47.	1SG20BT054	Sushma S	Sushma	Sushma	Sushma	Sushma	Sushma
48.	1SG20BT055	Swathi Bharadwaj R	Swathi	Swathi	Swathi	Swathi	Swathi
49.	1SG20BT056	Tanu Kumar C	Tanu	Tanu	Tanu	Tanu	Tanu
50.	1SG20BT057	Upputuri Jahnvi	Jahnvi	Jahnvi	Jahnvi	Jahnvi	Jahnvi
51.	1SG20BT059	Varshitha N R	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha
52.	1SG20BT060	Varun S	Varun	Varun	Varun	Varun	Varun
53.	1SG20BT061	Vibha Samartha	Vibha	Vibha	Vibha	Vibha	Vibha

Chaitra
Program Coordinator

[Signature]
Principal
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#14/5, Chikkasandra, Hesaraghatta Main Road
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[Signature]
Principal
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[Signature]
HOD, BT
Head of the Department
Dept. of Bio-Technology
Sapthagiri College of Engineering
No. 57/1, Chikkasandra
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Bangalore - 57



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Ref. No. SCE/Rec7466/2022-23

12th September 2023

To,
Vowels Lifesciences Pvt Ltd.,
Jayanagar,
Bangalore - 560041.

Dear Sir,

Following are bonafide students of this college studying Fourth year B.E in Biotechnology course in the academic year 2023 - 2024.

SL No	Name	USN
1	Ms. J Joylynn Grace	1SG20BT025
2	Ms. Kruthi J	1SG20BT030

Further, the said students are permitted to undergo internship training from 11th September 2023 to 11th October 2023, without disturbing the academics.

Their character and conduct is satisfactory.



Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore-560 057



SAPTHAGIRI COLLEGE OF ENGINEERING

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Ref. No. SCE/Rec/8005/2023-24

29th February '2024

To,
Vowels Lifesciences Pvt. Ltd.,
Jayanagar,,
Bangalore - 540041

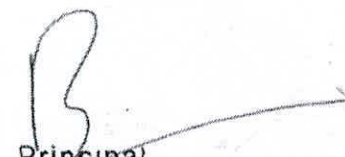
Dear Sir,

This is to certify that **Ms. Pooja M** bearing **USN : 1SG20BT038** is a bonafide student of this college studying Fourth year B.E in Biotechnology Course in the academic year 2023 - 2024.

Further, the said student has undergone industrial/internship training from 11th September 2023 to 11th October '2023. In your organization.




Principal
Sapthagiri College of Engineering
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Bangalore-560 057


Principal
Sapthagiri College of Engineering
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(An ISO 9001 : 2015 & ISO 14001:2015 Certified Institution)

Ref. No. SCE/Rec/7375/2022-23

5th September 2023

To,
Vowels lifesciences Pvt Ltd.,
Jayanagar,
Bangalore – 560011.

Dear Sir,

This is to certify that Ms. P Swathi bearing USN : 1SG20BT037 is a bonafide student of this college studying Fourth year B.E in Biotechnology course in the academic year 2023 - 2024.


Further, the said student is permitted to undergo internship training from 11th September 2023 to 7th October 2023. Without disturbing the academics.

Her character and conduct is satisfactory.




Principal

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Bangalore-560 057


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore-560 057

Certified that this Project/internship work titled

"ROLE OF ACTIVATED WNT SIGNALING IN CRANIOFACIAL DEVELOPMENT."

is the bonafide work of

J JOYLYNN GRACE

who carried out this work under my supervision from 11 September 2023 to 11 October 2023.

This is to certify that, to the best of my knowledge, the work reported herein is original and does not form part of any other dissertation.

The student was provided hands-on experience for experimenting with zebrafish embryos including drug treatment with various concentrations, cartilage staining and image analysis using FIJI (imageJ).

Further, the student was trained with bioinformatics tools like

ENSEMBL, and

Multiple sequence alignment using Clustal Omega.

k. Gokul

Dr.Gokul Kesavan
Co-Founder and CSO
VASLR

B
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

Certified that this Project/internship work titled

"ROLE OF ACTIVATED WNT SIGNALING IN CRANIOFACIAL DEVELOPMENT."

is the bonafide work of

KRUTHI J

who carried out this work under my supervision from 11 September 2023 to 11 October 2023.

This is to certify that, to the best of my knowledge, the work reported herein is original and does not form part of any other dissertation.

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ENSEMBL, and

Multiple sequence alignment using Clustal Omega.

K. Gokul

Dr.Gokul Kesavan
Co-Founder and CSO
VASLR

B
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

Certified that this Project/internship work titled

"ROLE OF ACTIVATED WNT SIGNALING IN CRANIOFACIAL DEVELOPMENT. "

is the bonafide work of

P SWATHI

who carried out this work under my supervision from 11 September 2023 to 11 October 2023.


This is to certify that, to the best of my knowledge, the work reported herein is original and does not form part of any other dissertation.

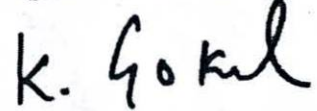
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Dr. Gokul Kesavan
Co-Founder and CSO
VASLR

Certified that this Project/internship work titled

"ROLE OF ACTIVATED WNT SIGNALING IN CRANIOFACIAL DEVELOPMENT."

is the bonafide work of

POOJA M

who carried out this work under my supervision from 11 September 2023 to 11 October 2023.

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Further, the student was trained with bioinformatics tools like

ENSEMBL, and

Multiple sequence alignment using Clustal Omega.

Principal

Septhagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore-560 057

Dr. Gokul Kesavan
Co-Founder and CSO
VASLR



SAPTHAGIRI COLLEGE OF ENGINEERING

A UNIT OF SRI SRINIVASA EDUCATIONAL & CHARITABLE TRUST (R)

CIN NO: U80302KA1947NPL000477

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

(Accredited by NAAC with 'A' Grade)

(Accredited by NBA for ECE, CSE, ISE, ME, EEE)

(An ISO 9001 : 2015 & ISO 14001:2015 Certified Institution)

Ref. No. SCE/Rec/7355/2022-23

1st September 2023

To,
VOWELS Lifesciences Pvt Ltd.,
Jayanagar,
Bangalore - 560011.

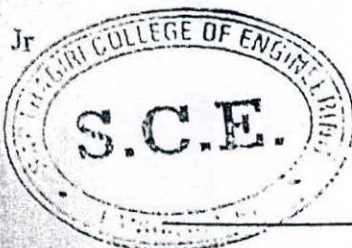
Dear Sir,

Following are bonafide students of this college studying Fourth year B.E in Biotechnology course in the academic year 2023 - 2024.

SL No	Name	USN
1	Ms. Raksha K	1SG20BT042
2	Ms. Savitha M	1SG20BT050
3	Ms. Sharon Raj	1SG20BT051
4	Ms. Priyanka V	1SG20BT041
5	Ms. Alice Jennifer	1SG20BT004
6	Ms. Namita Krishnakumar	1SG20BT031

Further, the said students are permitted to undergo internship training from 11th September 2023 to 7th October 2023, without disturbing the academics.

Their character and conduct is satisfactory.



Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore- 560 057

14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560 057. KARNATAKA,

Ph: 080-28372800, 23130583, Fax: 08028372797

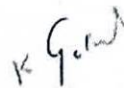
Email: principal@sapthagiri.edu.in web: www.sapthagiri.edu.in

Following students from Sapthagiri College of Engineering, Fourth-year B.E in
Biotechnology course in the academic year 2023 - 2024.

1. Ms. Raksha K (1SG20BT042)
2. Ms. Priyanka V (SG20BT041)
3. Ms. Alice Jennifer (1SG20BT004)
4. Ms. Namita Krishnakumar (ISG20BT031)
5. Ms. Savitha M (1SG20BT050)
6. Ms. Sharon Raj (SG20BT051)

Are pursuing their Internship with me (Dr. Gokul Kesavan) at VASLR
from 11th September 2023 and planned to complete by 7th October 2023.

Best Regards,



Dr. Gokul Kesavan,
Project Guide



Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

Certified that this Project/internship work titled

"EFFECTS OF ACUTE ETHANOL EXPOSURE ON CRANIOFACIAL DEVELOPMENT"

is the bonafide work of

ALICE JENNIFER


who carried out this work under my supervision from 11 September 2023 to 11 October 2023.

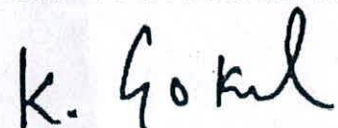
This is to certify that, to the best of my knowledge, the work reported herein is original and does not form part of any other dissertation.

The student was provided hands-on experience for experimenting with zebrafish embryos including drug treatment with various concentrations, cartilage staining and image analysis using FIJI (imageJ)

Further, the student was trained with bioinformatics tools like
ENSEMBL, and

Protein-Protein interaction network using STRING database.


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore-560 057


Dr. Gokul Kesavan
Co-Founder and CSO

Certified that this Project/internship work titled

"EFFECTS OF ACUTE ETHANOL EXPOSURE ON CRANIOFACIAL DEVELOPMENT"

is the bonafide work of

NAMITA KRISHNAKUMAR

who carried out this work under my supervision from 11 September 2023 to 11 October 2023.

This is to certify that, to the best of my knowledge, the work reported herein is original and does not form part of any other dissertation.

The student was provided hands-on experience for experimenting with zebrafish embryos including drug treatment with various concentrations, cartilage staining and image analysis using FIJI (imageJ).

Further, the student was trained with bioinformatics tools like ENSEMBL, and

Protein-Protein interaction network using STRING database.

K. Gokul

Dr. Gokul Kesavan
Co-Founder and CSO
VASLR

Principal
Septhagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

Certified that this Project/internship work titled

"EFFECTS OF ACUTE ETHANOL EXPOSURE ON CRANIOFACIAL DEVELOPMENT"

is the bonafide work of

PRIYANKA V

who carried out this work under my supervision from 11 September 2023 to 11 October 2023.

This is to certify that, to the best of my knowledge, the work reported herein is original and does not form part of any other dissertation.

The student was provided hands-on experience for experimenting with zebrafish embryos including drug treatment with various concentrations, cartilage staining and image analysis using FIJI (imageJ).

Further, the student was trained with bioinformatics tools like
ENSEMBL, and

Protein-Protein interaction network using STRING database.

K. Gokul

Dr. Gokul Kesavan
Co-Founder and CS

B
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

Certified that this Project/internship work titled

"EFFECTS OF ACUTE ETHANOL EXPOSURE ON CRANIOFACIAL DEVELOPMENT"

is the bonafide work of

RAKSHA K

who carried out this work under my supervision from 11 September 2023 to 11 October 2023.

This is to certify that, to the best of my knowledge, the work reported herein is original and does not form part of any other dissertation.

The student was provided hands-on experience for experimenting with zebrafish embryos including drug treatment with various concentrations, cartilage staining and image analysis using FIJI (imageJ).

Further, the student was trained with bioinformatics tools like
ENSEMBL, and

Protein-Protein interaction network using STRING database.

K. Gokul

Dr. Gokul Kesavan
Co-Founder and CSO

B

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

Certified that this Project/internship work titled

"EFFECTS OF ACUTE ETHANOL EXPOSURE ON CRANIOFACIAL DEVELOPMENT"

is the bonafide work of

SAVITHA M

who carried out this work under my supervision from 11 September 2023 to 11 October 2023.

This is to certify that, to the best of my knowledge, the work reported herein is original and does not form part of any other dissertation.

The student was provided hands-on experience for experimenting with zebrafish embryos including drug treatment with various concentrations, cartilage staining and image analysis using FIJI (imageJ).

Further, the student was trained with bioinformatics tools like
ENSEMBL, and

Protein-Protein interaction network using STRING database.

K. Gokul

Dr. Gokul Kesavan
Co-Founder and CSO
VASLR

[Signature]
Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

Certified that this Project/internship work titled

"EFFECTS OF ACUTE ETHANOL EXPOSURE ON CRANIOFACIAL DEVELOPMENT"

is the bonafide work of

SHARON RAJ

who carried out this work under my supervision from 11 September 2023 to 11 October 2023.

This is to certify that, to the best of my knowledge, the work reported herein is original and does not form part of any other dissertation.

The student was provided hands-on experience for experimenting with zebrafish embryos including drug treatment with various concentrations, cartilage staining and image analysis using FIJI (imageJ).

Further, the student was trained with bioinformatics tools like
ENSEMBL, and

Protein-Protein interaction network using STRING database.

K. Gokul

Dr. Gokul Kesavan
Co-Founder and CSO
VASLR

B
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057



44

ಕರುನಾಡು ಟೆಕ್ನಾಲಜೀಸ್ ಪ್ರೈವೇಟ್ ಲಿಮಿಟೆಡ್
KARUNADU TECHNOLOGIES PRIVATE LIMITED
#17, A.T.K. Complex, 2nd & 4th Floor, Acharya College Main Road, Beside Karur Vysya
Guttesbasaveshwara Nagar, Chikkabanavara, Bengaluru - 560090

Letter of Permission

The Department of Computer Science and Engineering, Sapthagiri College of Engineering, Bengaluru-57, has signed Memorandum of Understanding with Karunadu Technologies Private Limited, Bengaluru and engaged in various academic activities spanning throughout the year. As a part of MoU, Karunadu Technologies Private Limited is also eager in providing internship training for the selected students for the duration of one month. In this connection Karunadu Technologies Private Limited has given the permission to take up the internship training for the students listed below at their place.

Sl. No.	Name of the Student	USN
1.	Hithaishi S	1SG20CS045
2.	S.Mehak Afreen	1SG20CS088
3.	Suryakant	1SG20CS105
4.	kumarswamy B U	1SG20CS058
5.	Likhith B	1SG20CS060
6.	pradeepkumar S	1SG20CS077
7.	Apoorva V	1SG20CS011
8.	Kavira J	1SG20CS052
9.	Deepthi S	1SG20CS028
10.	Pavithra H	1SG20CS075
11.	Gaurav Singh	1SG20CS039
12.	Badal Kumar	1SG20CS019
13.	Dyuthi A. I	1SG20CS035
14.	Shreya Shetty S	1SG20CS101
15.	Bhaskar p	1SG20CS021
16.	Poornima F	1SG20CS076
17.	Sahana N	1SG20CS091
18.	Shilpa Biradar	1SG20CS097

45

19.	Aveek Chakraborty	1SG20CS018
20.	Sukhpreet Singh	1SG20CS104
21.	Arya Sinha	1SG20CS016
22.	Pavan.R	1SG20CS073
23.	Vipin KS	1SG20CS112
24.	Sangeetha J	1SG20CS093
25.	Vishwas H R	1SG20CS113
26.	Varshitha C	1SG20CS109
27.	ShivuRoopesh M	1SG20CS099
28.	K Kiran Kumar	1SG21CS405
29.	Deepthi S Hegde	1SG20CS029
30.	Pavithra B L	1SG20CS074
31.	H N Nithyasree	1SG20CS041
32.	Keerthana S	1SG20CS054
33.	Rachana N B	1SG21CS413
34.	Manisha K	1SG21CS409
35.	KS Tanmayi	1SG21CS406
36.	Manasa K G	1SG20CS061
37.	Divya N	1SG20CS034
38.	Chandana DS	1SG20CS025
39.	chandana V	1SG20CS026
40.	Aishwarya Lakshmi R	1SG20CS005
41.	Sharath Y P	1SG20CS095
42.	Nagaraju K	1SG20CS064
43.	Khushi Shekhar T C	1SG20CS055
44.	Kavya S	1SG20CS053
45.	Harshitha J	1SG20CS044
46.	Shashank P	1SG20CS096
47.	Bhoomika D K	1SG20CS022
48.	Sreekar N	1SG20CS103
49.	Hriday Thapa	1SG20CS046
50.	Shilpa G P	1SG20CS098
51.	Nikshitha K	1SG20CS067
52.	Sneha. S	1SG20CS102
53.	Nisarga S	1SG20CS068
54.	S Vinodkumar	1SG20CS089
55.	Monisha P S	1SG20CS062
56.	Nuhushan Shareef S	1SG20CS070
57.	Nischitha BG	1SG21CS412
58.	Ujwal Gowda V	1SG20CS107
59.	Bharath Gowda S	1SG20CS020

Signature of the Head

Principal

Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 080



39

Alnitak Solutions Private Limited®
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CIN No : U72900KA2020PTC136731

Letter of Permission

The Department of Computer Science and Engineering, Sapthagiri College of Engineering, Bengaluru-57, has signed Memorandum of Understanding with Alnitak Solutions Private Limited, Bengaluru and engaged in various academic activities spanning throughout the year. As a part of MoU, Alnitak Solutions Private Limited is also eager in providing internship training for the selected students for the duration of one month. In this connection Alnitak Solutions Private Limited has given the permission to take up the internship training for the students listed below at their place.

SL. NO.	NAME OF THE STUDENT	USN
1	ABHISHEK G B	1SG20CS001
2	ABHISHEK K J	1SG20CS002
3	ADITYA ADIGA K	1SG20CS003
4	ADITYA SINGH	1SG20CS004
5	AISHWARYA SINGH	1SG20CS006
6	AKASH PUJARI	1SG20CS007
7	AKSHAY KUMAR JOSHI	1SG20CS008
8	ANKUSH GOWDA R	1SG20CS009
9	ANSTIN GEORGE	1SG20CS010
10	ARCHANA G	1SG20CS012
11	ARCHANA S	1SG20CS013
12	ARPITHA M N	1SG20CS014

Alnitak Solutions Pvt. Ltd., #341, 16th Cross, 5th Main, R.M.V 2nd Stage, Bengaluru-94, Karnataka, India

E-mail : director@alnitaksolutions.com / hr.alnitaksolutions@gmail.com

Web : www.alnitaksolutions.com Ph : 79756 39419 / 96324 90119

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta
Bangalore-560 057



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CIN No : U72900KA2020PTC136731

13	ARPITHA R	1SG20CS015
14	ATUL ANAND	1SG20CS017
15	CHAITRA D	1SG20CS023
16	CHANDAN CS	1SG20CS024
17	CHANDU T R	1SG20CS027
18	DEEPTI KULKARNI	1SG20CS030
19	DEV ADUTTA B R	1SG20CS031
20	DHANRAJ P	1SG20CS032
21	DIVYA B S	1SG20CS033
22	FAHAD MOHAMMED	1SG20CS036
23	GANESH H P	1SG20CS037
24	GANESHA S	1SG20CS038
25	GAURAV YADAV	1SG20CS040
26	HARSH KUMAR	1SG20CS042
27	HRU THKARSHA D S	1SG20CS047
28	JAY ANTH M	1SG20CS048
29	JISHNU JAYADEVAN	1SG20CS049
30	JYOTHI N	1SG20CS050
31	K SARAVANAN	1SG20CS051
32	KISHAN KUMAR	1SG20CS056
33	KRUTHI S	1SG20CS057
34	N.PANDURANGE GOWD	1SG20CS063
35	NAVNEET NAMAN	1SG20CS065
36	NAWEEL MANJOOR	1SG20CS066

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E-mail : director@alnitaksolutions.com / hr.alnitaksolutions@gmail.com

Web : www.alnitaksolutions.com Ph : 79756 39419 / 96324 90119

Principal
Seethagiri College of Engineering
Chikkasandra, Hesaraghatta
Bangalore-560 077



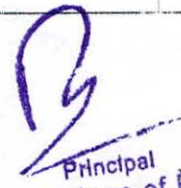
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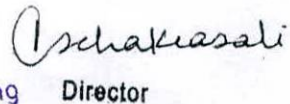
CIN No : U72900KA2020PTC136731

37	NISHANT P CHOUHAN	1SG20CS069
38	PANCHAL MONIKA	1SG20CS071
39	PAVAN KUMAR P	1SG20CS072
40	PRAKHAR SURAJ	1SG20CS078
41	PRAMITH KUMAR MANDAL	1SG20CS079
42	PRAMOD KUMAR S J	1SG20CS080
43	PRAVEEN KUMAR N	1SG20CS081
44	PREETHAM S G	1SG20CS082
45	PUNIT H S	1SG20CS083
46	PUSHPENDER	1SG20CS084
47	RAKSHITH GC	1SG20CS085
48	RISHAV ANAND	1SG20CS086
49	RITIK RAJ	1SG20CS087
50	SAKSHEE SINGH	1SG20CS092
51	SANTHOSH D	1SG20CS094
52	SHRAVAN L	1SG20CS100
53	TSEWANG CHOSKIT	1SG20CS106
54	VIDISH GUPTA	1SG20CS110
55	VINDHYA G	1SG20CS111
56	VIVAN KUSHAL HENEGER	1SG20CS114
57	KAVANA V	1SG21CS408

For ALNITAK SOLUTIONS PRIVATE LIMITED




Principal


Director

Sapthagiri College of Engineering
Mysuru, Karnataka
Bengaluru, Karnataka

Alnitak Solutions Pvt. Ltd., #341, 16th Cross, 5th Main, RMV 2nd Stage, Bengaluru-94, Karnataka, India

E-mail : director@alnitaksolutions.com / hr.alnitaksolutions@gmail.com

Web : www.alnitaksolutions.com Ph : 79756 39419 / 96324 90119

Nano Robotics Internship Students List

(7th Semester A&B Sections)

Sl. No.	Name of the Student	USN
1.	NAVEEN KUMAR M	1SG19CS067
2.	CHETHAN K M	1SG20CS404
3.	AISHWARYA S	1SG21CS400
4.	DHANUSH Y T	1SG21CS401
5.	DUSHYANTH G	1SG21CS402
6.	H V MANOJ KUMAR	1SG21CS403
7.	JASWANTH ARADHYA S	1SG21CS404
8.	KARAN S NAIDU	1SG21CS407
9.	SANDHYA M	1SG19CS407
10.	KUMUDHA H I	1SG20CS059
11.	NISARGA S	1SG20CS115
12.	MANOJ S	1SG21CS410
13.	MARUTHI G	1SG21CS411
14.	SAGAR T	1SG21CS414
15.	TEJASWINI M	1SG21CS415
16.	TRIVENI B G	1SG21CS416
17.	YASHASWINI P REDDY	1SG21CS417

K. Kamalakshi

HOD

Dr.Kamalakshi Naganna

Professor & Head of the Department
Computer Science Engineering
Sapthagiri College of Engineering
Bengaluru - 57

Principal

Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaragatta Main Road
Bengaluru - 560 057



NANO ROBOTICS EMBED TECHNOLOGES

Enabling technology innovations.

ISO 9001:2015 Certified Company

REF: NRET/ITE/2023/24/194

DATE: 23/08/2023

Internship Acceptance Letter

To,

The HOD,

Department of Electrical and Electronics Engineering.

Sapthagiri College of Engineering,

Bangalore-57,.

Respected Sir / Madam,

Subject: Internship Acceptance Letter.

I am pleased to inform you behalf of “NANO ROBOTICS EMBED TECHNOLOGIES”, that following students application for the **Internship** Opportunity On “MASHUP APPLICATIONS USING IOT” has been accepted by the Management.

This was based on the application Submission. Management has expressed a positive response and trust that you have one of the best results among the applicants. The internship will include training and focus priority on learning & developing new skills and gaining deeper understanding of concepts through hands-on application.

Responsibilities:

- Programming and implementing software of Embedded Devices. Solid program experience in Python.
- Designing, developing, coding, testing and debugging system software.
- Hands on development and troubleshooting with Machine learning algorithms.

Office: #27/I, 14th Main, Gokula 1st Stage, Mathikere, Bangalore-560054.

Contact No: +91-9964137725, +91-9060620102. Website: www.nanorobotics.in

Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

Sl. No.	Name of the student	USN
1	ADITYA A HAVALI	1SG20EE001
2	AKSHATHA.B	1SG20EE002
3	ANANYA R	1SG20EE003
4	DIVYASHREE AH	1SG20EE007
5	GAGAN S PATAGAR	1SG20EE009
6	M V HARSHITHA	1SG20EE015
7	MADHUSUDHAN V	1SG20EE017
8	MANJUNATH BP	1SG20EE018
9	MOHAN S	1SG20EE019
10	PRAGATHI NR	1SG20EE023
11	PRERNA SHARMA	1SG20EE024
12	VARSHA K V	1SG20EE034
13	RAJINI AJ	1SG20EE408
14	BHARATH B S	1SG21EE400
15	DARSHAN N G	1SG21EE401
16	HENDROM TOLAJI SINGH	1SG21EE402
17	MAHESH M	1SG21EE404
18	MZ UMAR HUSAIN	1SG21EE405
19	PRAJWAL A	1SG21EE408
20	PRAJWAL S M	1SG21EE409
21	SILARON T	1SG21EE411
22	SUDARSHAN B	1SG21EE412
23	YASHAVANTH B.R	1SG21EE413


BABA FAKRUDDIN ALI B H
 Technical Manager



Principal
Sapthagiri College of Engineering
 Chikkasandra, Hesaraghatta Road,
 Bangalore-560 057



NANO ROBOTICS EMBED TECHNOLOGIES

Enabling technology innovations

Ref: NRET/IE/2023/24/131

Date: 17/09/2023

TO WHOMEVER IT MAY CONCERN

This is to certify that Mr. ADITYA A HAVALI with USN 1SG20EE001 from Sapthagiri College of Engineering, Department of Electrical and Electronics Engineering has worked as Technical Intern with Nano Robotics Embed Technologies, from 14th August -2023 to 9th September -2023. He worked on different modules and hands-on Development of project titled as "SMART PARKING SYSTEM" including architecture, hardware design and communication protocols. His internship had training and focus priority on learning & developing new skills and gaining deeper understanding of concepts through hands-on applications.

Responsibilities:

- Programming and implementing software of Embedded Devices. Solid program experience in C & Embedded C.
- Designing, developing, coding, testing and debugging the embedded modules.
- Hands on development and troubleshooting with sensors.
- Working on "ThingSpeak" IoT analytics platform service to visualize sensor data to the cloud.

During the period of his internship program with us he was found punctual, hardworking and inquisitive. We wish him every success in life.

NANO ROBOTIC EMBED TECHNOLOGIES
27/1, 14th Cross, Gokula 1st Stage,
Mathikere, Bangalore - 560 054

KAREEMUNISSA
Technical Manager
NRET

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesarachanna Road
Bangalore-560 057



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Ref: NRET/ITE/2023/24/123

Date: 17/09/2023

TO WHOMEVER IT MAY CONCERN

This is to certify that Ms. ANANYA R with USN 1SG20EE003 from Sapthagiri College of Engineering Electrical and Electronics Engineering has worked as Technical Intern with Nano Robotics Embed Technologies, from 14th August -2023 to 10th September -2023. She worked on different modules and hands-on Development of project titled as "Smart Farming" including architecture, hardware design and communication protocols. Her internship had training and focus priority on learning & developing new skills and gaining deeper understanding of concepts through hands-on applications.


Responsibilities:

- Programming and implementing software of Embedded Devices. Solid program experience in C & Embedded C.
- Designing, developing, coding, testing and debugging the embedded modules.
- Hands on development and troubleshooting with sensors.
- Working on "ThingSpeak" IoT analytics platform service to visualize sensor data to the cloud.

During the period of her internship program with us she was found punctual, hardworking and inquisitive. We wish her every success in life.

NANO ROBOTICS EMBED TECHNOLOGIES
27/1, 14th Main, Gokula 1st Stage,
Mathikere, Bangalore - 560 054

KAREEMUNISSA
Technical Manager
NRET


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

Office: #27/1, 14th Main, Gokula 1st Stage, Mathikere, Bangalore-560054.

Contact No: +91-9964137725, +91-9060620102. Website: www.nanorobotics.in



NANO ROBOTICS EMBED TECHNOLOGIES

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ISO 9001:2015 Certified Company

Ref: NRET/ITE/2023/24/124

Date: 17/09/2023

TO WHOMEVER IT MAY CONCERN

This is to certify that Ms. DIVYASHREE AH with USN 1SG20EE007 from Sapthagiri College of Engineering Electrical and Electronics Engineering has worked as Technical Intern with Nano Robotics Embed Technologies, from 14th August -2023 to 10th September -2023. She worked on different modules and hands-on Development of project titled as "Vehicle Collision Prevention System" including architecture, hardware design and communication protocols. Her internship had training and focus priority on learning & developing new skills and gaining deeper understanding of concepts through hands-on applications.

Responsibilities:

- Programming and implementing software of Embedded Devices. Solid program experience in C & Embedded C.
- Designing, developing, coding, testing and debugging the embedded modules.
- Hands on development and troubleshooting with sensors.
- Working on "ThingSpeak" IoT analytics platform service to visualize sensor data to the cloud.

During the period of her internship program with us she was found punctual, hardworking and inquisitive. We wish her every success in life.

NANO ROBOTIC EMBED TECHNOLOGIES

27/1, 14th Cross, Gokula 1st Stage,

Mathikere, Bangalore - 560 054

KAREEMUNISSA

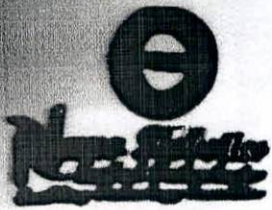
Technical Manager

NRET

Principal
Sapthagiri College of Engineering,
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

Office: #27/1, 14th Main, Gokula 1st Stage, Mathikere, Bangalore-560054.

Contact No: +91-9964137725, +91-9060620102. Website: www.nanorobotics.in



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Ref: NRE/ITE/2023/24/135

Date: 17/09/2023

TO WHOMEVER IT MAY CONCERN

This is to certify that Mr. GAGAN S PATAGAR with USN ISG20EE009 from Sapthagiri College of Engineering, Department of Electrical and Electronics Engineering has worked as Technical Intern with Nano Robotics Embed Technologies, from 14th August -2023 to 9th September -2023. He worked on different modules and hands-on Development of project titled as "SMART PARKING SYSTEM" including architecture, hardware design and communication protocols. His internship had training and focus priority on learning & developing new skills and gaining deeper understanding of concepts through hands-on applications.

Responsibilities:

- Programming and implementing software of Embedded Devices. Solid program experience in C & Embedded C.
- Designing, developing, coding, testing and debugging the embedded modules.
- Hands on development and troubleshooting with sensors.
- Working on "ThingSpeak" IoT analytics platform service to visualize sensor data to the cloud.

During the period of his internship program with us he was found punctual, hardworking and inquisitive. We wish him every success in life.

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Mathikere, Bangalore-560 054

KARLEMUNISSA
Technical Manager
NREI

Principal
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Bangalore-560 057



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Ref: NRET/ITE/2023/24/126

Date: 17/09/2023

TO WHOMEVER IT MAY CONCERN

This is to certify that **Ms. M V HARSHITHA** with **USN 1SG20EE015** from **Sapthagiri College of Engineering Electrical and Electronics Engineering** has worked as Technical Intern with **Nano Robotics Embed Technologies**, from 14th August -2023 to 9th September -2023. She worked on different modules and hands-on Development of project titled as **"Home Automation"** including architecture, hardware design and communication protocols. Her internship had training and focus priority on learning & developing new skills and gaining deeper understanding of concepts through hands-on applications.

Responsibilities:

- Programming and implementing software of Embedded Devices. Solid program experience in C & Embedded C.
- Designing, developing, coding, testing and debugging the embedded modules.
- Hands on development and troubleshooting with sensors.
- Working on "ThingSpeak" IoT analytics platform service to visualize sensor data to the cloud.

During the period of her internship program with us she was found punctual, hardworking and inquisitive. We wish her every success in life.

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KAREEMUNISSA
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Ref: NRET/ITE/2023/24/138

Date: 17/09/2023

TO WHOMEVER IT MAY CONCERN

This is to certify that Mr. MANJUNATH BP with USN 1SG20EE018 from Sapthagiri College of Engineering, Department of Electrical and Electronics Engineering has worked as Technical Intern with Nano Robotics Embedded Technologies, from 14th August -2023 to 9th September -2023. He worked on different modules and hands-on Development of project titled as "Vehicle Collision Prevention System" including architecture, hardware design and communication protocols. His internship had training and focus priority on learning & developing new skills and gaining deeper understanding of concepts through hands-on applications.

Responsibilities:

- Programming and implementing software of Embedded Devices. Solid program experience in C & Embedded C.
- Designing, developing, coding, testing and debugging the embedded modules.
- Hands on development and troubleshooting with sensors.
- Working on "ThingSpeak" IoT analytics platform service to visualize sensor data to the cloud.

During the period of his internship program with us he was found punctual, hardworking and inquisitive. We wish him every success in life.

Handwritten signature of KAREEMUNISSA

KAREEMUNISSA
Technical Manager
NRET

Handwritten signature of Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

Office: #27/1, 14th Main, Gokula 1st Stage, Mathikere, Bangalore-560054.

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Ref: NRET/ITE/2023/24/139

Date: 17 /09/2023

TO WHOMEVER IT MAY CONCERN

This is to certify that **Mr. MOHAN S** with **USN 1SG20EE019** from **Sapthagiri College of Engineering, Department of Electrical and Electronics Engineering** has worked as Technical Intern with **Nano Robotics Embed Technologies**, from 14th August -2023 to 9th September -2023. He worked on different modules and hands-on Development of project titled as **"Vehicle Collision Prevention System"** including architecture, hardware design and communication protocols. His internship had training and focus priority on learning & developing new skills and gaining deeper understanding of concepts through hands-on applications.

Responsibilities:

- Programming and implementing software of Embedded Devices. Solid program experience in C & Embedded C.
- Designing, developing, coding, testing and debugging the embedded modules.
- Hands on development and troubleshooting with sensors.
- Working on "ThingSpeak" IoT analytics platform service to visualize sensor data to the cloud.

During the period of his internship program with us he was found punctual, hardworking and inquisitive. We wish him every success in life.

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KARTEMUNISSA

Technical Manager

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Ref: NRET/ITE/2023/24/210

Date: 17/09/2023

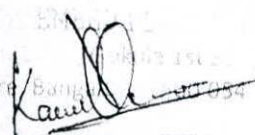
TO WHOMEVER IT MAY CONCERN

This is to certify that **Ms. PRAGATHI NR** with **USN ISG20EE023** from **Sapthagiri College of Engineering Electrical and Electronics Engineering** has worked as Technical Intern with **Nano Robotics Embed Technologies**, from **14th August -2023** to **9th September -2023**. She worked on different modules and hands-on Development of project titled as **"Smart parking system"** including architecture, hardware design and communication protocols. Her internship had training and focus priority on learning & developing new skills and gaining deeper understanding of concepts through hands-on applications.

Responsibilities:

- Programming and implementing software of Embedded Devices. Solid program experience in C & Embedded C.
- Designing, developing, coding, testing and debugging the embedded modules.
- Hands on development and troubleshooting with sensors.
- Working on "ThingSpeak" IoT analytics platform service to visualize sensor data to the cloud.

During the period of her internship program with us she was found punctual, hardworking and inquisitive. We wish her every success in life.


KAREEMUNISSA
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Date: 17/09/2023

TO WHOMEVER IT MAY CONCERN

This is to certify that **Ms. PRERNA SHARMA** with **USN 1SG20EE024** from **Sapthagiri College of Engineering Electrical and Electronics Engineering** has worked as Technical Intern with **Nano Robotics Embed Technologies**, from 14th August -2023 to 9th September -2023. She worked on different modules and hands-on Development of project titled as **"Home Automation"** including architecture, hardware design and communication protocols. Her internship had training and focus priority on learning & developing new skills and gaining deeper understanding of concepts through hands-on applications.

Responsibilities:

- Programming and implementing software of Embedded Devices. Solid program experience in C & Embedded C.
- Designing, developing, coding, testing and debugging the embedded modules.
- Hands on development and troubleshooting with sensors.
- Working on "ThingSpeak" IoT analytics platform service to visualize sensor data to the cloud.

During the period of her internship program with us she was found punctual, hardworking and inquisitive. We wish her every success in life.

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Ref: NRET/ITE/2023/24/213

Date: 17 /09/2023

TO WHOMEVER IT MAY CONCERN

This is to certify that Ms. RAJINI AJ with USN 1SG20EE408 from Sapthagiri College of Engineering Electrical and Electronics Engineering has worked as Technical Intern with Nano Robotics Embed Technologies, from 14th August -2023 to 9th September -2023. She worked on different modules and hands-on Development of project titled as "Home Automation" including architecture, hardware design and communication protocols. Her internship had training and focus priority on learning & developing new skills and gaining deeper understanding of concepts through hands-on applications.


Responsibilities:

- Programming and implementing software of Embedded Devices, Solid program experience in C & Embedded C.
- Designing, developing, coding, testing and debugging the embedded modules.
- Hands on development and troubleshooting with sensors.
- Working on "ThingSpeak" IoT analytics platform service to visualize sensor data to the cloud.

During the period of her internship program with us she was found punctual, hardworking and inquisitive. We wish her every success in life.

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Date: 17/09/2023

TO WHOMEVER IT MAY CONCERN

This is to certify that **Mr. BHARATH B S** with USN ISG21EE400 from **Sapthagiri College of Engineering, Department of Electrical and Electronics Engineering** has worked as Technical Intern with **Nano Robotics Embed Technologies**, from 14th August -2023 to 9th September -2023. He worked on different modules and hands-on Development of project titled as **"Smart farming System"** including architecture, hardware design and communication protocols. His internship had training and focus priority on learning & developing new skills and gaining deeper understanding of concepts through hands-on applications.

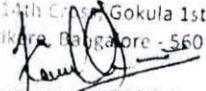
Responsibilities:

- Programming and implementing software of Embedded Devices. Solid program experience in C & Embedded C.
- Designing, developing, coding, testing and debugging the embedded modules.
- Hands on development and troubleshooting with sensors.
- Working on "ThingSpeak" IoT analytics platform service to visualize sensor data to the cloud.

During the period of his internship program with us he was found punctual, hardworking and inquisitive. We wish him every success in life.

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Contact No: +91-9964137725, +91-9060620102. Website: www.nanorobotics.in

Ref: NRET/ITE/2023/24/215

Date: 17/09/2023

TO WHOMEVER IT MAY CONCERN

This is to certify that **Mr. DARSHAN N G** with **USN 1SG21EE401** from **Sapthagiri College of Engineering, Department of Electrical and Electronics Engineering** has worked as Technical Intern with **Nano Robotics Embed Technologies**, from 14th August -2023 to 9th September -2023. He worked on different modules and hands-on Development of project titled as **"Vehicle collision prevention system"** including architecture, hardware design and communication protocols. His internship had training and focus priority on learning & developing new skills and gaining deeper understanding of concepts through hands-on applications.

Responsibilities:

- Programming and implementing software of Embedded Devices. Solid program experience in C & Embedded C.
- Designing, developing, coding, testing and debugging the embedded modules.
- Hands on development and troubleshooting with sensors.
- Working on "ThingSpeak" IoT analytics platform service to visualize sensor data to the cloud.

During the period of his internship program with us he was found punctual, hardworking and inquisitive. We wish him every success in life.

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Date: 17/09/2023

TO WHOMEVER IT MAY CONCERN

This is to certify that **Mr. HUDROM TULAJIT SINGH** with **USN 1SG21EE402** from **Sapthagiri College of Engineering, Department of Electrical and Electronics Engineering** has worked as Technical Intern with **Nano Robotics Embed Technologies**, from 14th August -2023 to 9th September -2023. He worked on different modules and hands-on Development of project titled as **"Smart Farming System"** including architecture, hardware design and communication protocols. His internship had training and focus priority on learning & developing new skills and gaining deeper understanding of concepts through hands-on applications.

Responsibilities:

- Programming and implementing software of Embedded Devices. Solid program experience in C & Embedded C.
- Designing, developing, coding, testing and debugging the embedded modules.
- Hands on development and troubleshooting with sensors.
- Working on "ThingSpeak" IoT analytics platform service to visualize sensor data to the cloud.

During the period of his internship program with us he was found punctual, hardworking and inquisitive. We wish him every success in life.

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Date: 17 /09/2023

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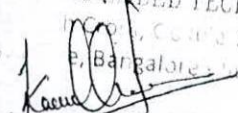
This is to certify that **Mr. MAHESH M** with **USN 1SG21EE404** from **Sapthagiri College of Engineering, Department of Electrical and Electronics Engineering** has worked as Technical Intern with **Nano Robotics Embed Technologies**, from **14th August -2023** to **9th September -2023**. He worked on different modules and hands-on Development of project titled as **"Smart parking system"** including architecture, hardware design and communication protocols. His internship had training and focus priority on learning & developing new skills and gaining deeper understanding of concepts through hands-on applications.

Responsibilities:

- Programming and implementing software of Embedded Devices. Solid program experience in C & Embedded C.
- Designing, developing, coding, testing and debugging the embedded modules.
- Hands on development and troubleshooting with sensors.
- Working on "ThingSpeak" IoT analytics platform service to visualize sensor data to the cloud.

During the period of his internship program with us he was found punctual, hardworking and inquisitive. We wish him every success in life.

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Office: #27/1, 14th Main, Gokula 1st Stage, Mathikere, Bangalore-560054.

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Date: 17/09/2023

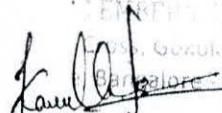
TO WHOMEVER IT MAY CONCERN

This is to certify that **Mr. MZ UMAR HUSSAIN** with **USN 1SG21EE405** from **Sapthagiri College of Engineering, Department of Electrical and Electronics Engineering** has worked as Technical Intern with **Nano Robotics Embed Technologies**, from 14th August -2023 to 9th September -2023. He worked on different modules and hands-on Development of project titled as **"Home Automation"** including architecture, hardware design and communication protocols. His internship had training and focus priority on learning & developing new skills and gaining deeper understanding of concepts through hands-on applications.

Responsibilities:

- Programming and implementing software of Embedded Devices. Solid program experience in C & Embedded C.
- Designing, developing, coding, testing and debugging the embedded modules.
- Hands on development and troubleshooting with sensors.
- Working on "ThingSpeak" IoT analytics platform service to visualize sensor data to the cloud.

During the period of his internship program with us he was found punctual, hardworking and inquisitive. We wish him every success in life.


KAREEMUNISSA
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NRET


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Ref: NRET/ITE/2023/24/219

Date: 17/09/2023

TO WHOMEVER IT MAY CONCERN

This is to certify that Mr. PRAJWAL, A with USN ISG21EE408 from Sapthagiri College of Engineering, Department of Electrical and Electronics Engineering has worked as Technical Intern with Nano Robotics Embed Technologies, from 14th August -2023 to 9th September -2023. He worked on different modules and hands-on Development of project titled as "SMART FARMING SYSTEM" including architecture, hardware design and communication protocols. His internship had training and focus priority on learning & developing new skills and gaining deeper understanding of concepts through hands-on applications.

Responsibilities:

- Programming and implementing software of Embedded Devices. Solid program experience in C & Embedded C.
- Designing, developing, coding, testing and debugging the embedded modules.
- Hands on development and troubleshooting with sensors.
- Working on "ThingSpeak" IoT analytics platform service to visualize sensor data to the cloud.

During the period of his internship program with us he was found punctual, hardworking and inquisitive. We wish him every success in life.

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Technical Manager
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Bangalore-560

Office: #27/1, 14th Main, Gokula 1st Stage, Mathikere, Bangalore-560054.

Contact No: +91-9964137725, +91-9060620102. Website: www.nanorobotics.in



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Date: 17/09/2023

TO WHOMEVER IT MAY CONCERN

This is to certify that **Mr. PRAJWAL S M** with USN **1SG21EE409** from **Sapthagiri College of Engineering, Department of Electrical and Electronics Engineering** has worked as Technical Intern with **Nano Robotics Embed Technologies**, from **14th August -2023** to **9th September -2023**. He worked on different modules and hands-on Development of project titled as **"HOME AUTOMATION"** including architecture, hardware design and communication protocols. His internship had training and focus priority on learning & developing new skills and gaining deeper understanding of concepts through hands-on applications.

Responsibilities:

- Programming and implementing software of Embedded Devices. Solid program experience in C & Embedded C.
- Designing, developing, coding, testing and debugging the embedded modules.
- Hands on development and troubleshooting with sensors.
- Working on "ThingSpeak" IoT analytics platform service to visualize sensor data to the cloud.

During the period of his internship program with us he was found punctual, hardworking and inquisitive. We wish him every success in life.

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Ref: NRET/ITE/2023/24/221

Date: 17 /09/2023

TO WHOMEVER IT MAY CONCERN

This is to certify that **Mr. SHARON P** with USN 1SG21EE411 from **Sapthagiri College of Engineering, Department of Electrical and Electronics Engineering** has worked as Technical Intern with **Nano Robotics Embed Technologies**, from 14th August -2023 to 9th September -2023. He worked on different modules and hands-on Development of project titled as "**Smart Parking System**" including architecture, hardware design and communication protocols. His internship had training and focus priority on learning & developing new skills and gaining deeper understanding of concepts through hands-on applications.

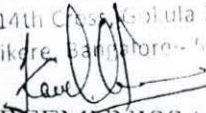
Responsibilities:

- Programming and implementing software of Embedded Devices. Solid program experience in C & Embedded C.
- Designing, developing, coding, testing and debugging the embedded modules.
- Hands on development and troubleshooting with sensors.
- Working on "ThingSpeak" IoT analytics platform service to visualize sensor data to the cloud.


During the period of his internship program with us he was found punctual, hardworking and inquisitive. We wish him every success in life.

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Ref: NRET/ITE/2023/24/222

Date: 17/09/2023

TO WHOMEVER IT MAY CONCERN

This is to certify that **Mr. SUDARSHAN B** with **USN 1SG21EE412** from **Sapthagiri College of Engineering, Department of Electrical and Electronics Engineering** has worked as Technical Intern with **Nano Robotics Embedded Technologies**, from **14th August -2023 to 9th September -2023**. He worked on different modules and hands-on Development of project titled as **"Embedded System"** including architecture, hardware design and communication protocols. His internship had training and focus priority on learning & developing new skills and gaining deeper understanding of concepts through hands-on applications.

Responsibilities:

- Programming and implementing software of Embedded Devices. Solid program experience in C & Embedded C.
- Designing, developing, coding, testing and debugging the embedded modules.
- Hands on development and troubleshooting with sensors.
- Working on "ThingSpeak" IoT analytics platform service to visualize sensor data to the cloud.

During the period of his internship program with us he was found punctual, hardworking and inquisitive. We wish him every success in life.

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Ma

KAREEMUNISSA

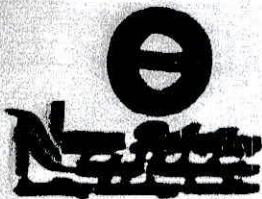
Technical Manager

NRET

Principal
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Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

Office: #27/1, 14th Main, Gokula 1st Stage, Mathikere, Bangalore-560054.

Contact No: +91-9964137725, +91-9060620102. Website: www.nanorobotics.in



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Ref: NRETH/2001/24713

Date: 17/09/2023

TO WHOMEVER IT MAY CONCERN

This is to certify that Mr. YASHAVANTH R.R with USN ISG21EE413 from Sapthagiri College of Engineering, Department of Electrical and Electronics Engineering has worked as Technical Intern with Nano Robotics Embed Technologies, from 1st August -2023 to 9th September -2023. He worked on different modules and hands-on Development of project titled as "HOME AUTOMATION" including architecture, hardware design and communication protocols. His internship had training and focus priority on learning & developing new skills and gaining deeper understanding of concepts through hands-on applications.

Responsibilities:

- Programming and implementing software of Embedded Devices. Solid program experience in C & Embedded C.
- Designing, developing, coding, testing and debugging the embedded modules.
- Hands on development and troubleshooting with sensors.
- Working on "ThingSpeak" IoT analytics platform service to visualize sensor data to the cloud.

During the period of his internship program with us he was found punctual, hardworking and inquisitive. We wish him every success in life.

NANO ROBOTICS EMBED TECHNOLOGIES
P. 11, 14th Cross, 1st Stage, Muthur, Bangalore-560054.
KAILASH NISSA
Technical Manager
NRET

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Letter of Permission

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SL. NO.	USN	STUDENT NAME
1.	1SG20IS001	ADARSH C
2.	1SG20IS004	ADITYA PRAKASH MISHRA
3.	1SG20IS007	AKASH KURARA
4.	1SG20IS008	ANIMESH DWIVEDI
5.	1SG20IS009	ANIRUDH N R
6.	1SG20IS013	B S VINAY KRISHNA
7.	1SG20IS014	BAZGHA DASTAGIR
8.	1SG20IS018	BHOOMIKA BN
9.	1SG20IS021	CHANDAN. R
10.	1SG20IS022	CHETHAN S
11.	1SG20IS023	CHIRAG TILWANI
12.	1SG20IS024	DARSHAN.S
13.	1SG20IS025	DEEKSHA S


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support@karunadutechnologies.com, Website: www.karunadutechnologies.com

14.	1SG20IS027	DHANUSH V R
15.	1SG20IS029	DIVYA BN
16.	1SG20IS030	DUSHYANTH R
17.	1SG20IS031	GAGAN S ADITYA
18.	1SG20IS033	GANESH R
19.	1SG20IS034	HANSHIKA VIJETA
20.	1SG20IS035	HARDIK SINGH
21.	1SG20IS036	HARSHITH M P
22.	1SG20IS037	HEMANTH BC
23.	1SG20IS038	HEMANTH GOWDA M
24.	1SG20IS039	HITHA R SHETTY
25.	1SG20IS040	JEEVITHA J HEGDE
26.	1SG20IS041	K M SUMUKH KASHYAP
27.	1SG20IS042	K RAGHU
28.	1SG20IS043	KARTIK VIRUPAKSHAPPA RODAGAI
29.	1SG20IS044	KEERTHAN KUMAR NAYAK
30.	1SG20IS045	KRUTHAGNA G
31.	1SG20IS046	KRUTHIKA K P
32.	1SG20IS048	LAVKESH PRASAD
33.	1SG20IS049	LOHITH REDDY V K
34.	1SG20IS050	MADHUSUDHAN E
35.	1SG20IS051	MANJUNATHA A
36.	1SG20IS052	N CHARAN REDDY
37.	1SG20IS053	NAGAVENI.R
38.	1SG20IS055	NAVNEETH K
39.	1SG20IS056	NEHA K
40.	1SG20IS057	NIKHIL P JINGADE

41.	1SG20IS061	NISHA SHETTY
42.	1SG20IS063	NITHIN SEERAPPA R
43.	1SG20IS064	NITHIN T S
44.	1SG20IS066	PAVAN R
45.	1SG20IS067	PRACHI SINHA
46.	1SG20IS068	PRASHANTH L
47.	1SG20IS071	PYDIPALLA RASHMI
48.	1SG20IS072	RAHUL R S
49.	1SG20IS073	RAHUL ADITHYA B M
50.	1SG20IS074	RAKSHA
51.	1SG20IS075	RANJITH R
52.	1SG20IS076	RUTHWIK D J
53.	1SG20IS077	SACHIN K N
54.	1SG20IS079	SANDESH HN
55.	1SG20IS080	SATVIKA K
56.	1SG20IS081	SHALINI H
57.	1SG20IS082	SHARANYA NS
58.	1SG20IS083	SHASHANK M
59.	1SG20IS084	SHREERAKSHA GANESH NAIK
60.	1SG20IS085	SHREYAS A P
61.	1SG20IS086	SHRUTI JAISWAL
62.	1SG20IS088	SHWETA VIRUPAKSH JALALAPURE
63.	1SG20IS089	SHWETHA M
64.	1SG20IS092	SMITHA S V
65.	1SG20IS093	SNEHA E
66.	1SG20IS095	SUDHASH R
67.	1SG20IS096	SUHAS S

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68.	1SG20IS097	SUKEERTHI REDDY K
69.	1SG20IS098	SUPRIYA B
70.	1SG20IS099	SUPRIYA N R
71.	1SG20IS100	SURYANSH KUMAR SRIVASTAVA
72.	1SG20IS101	SWEETY BOURI
73.	1SG20IS102	THANUSH T D
74.	1SG20IS103	THARUN S PETKAR
75.	1SG20IS105	UTKARSH KUMAR
76.	1SG20IS106	VAISHNAVI U
77.	1SG20IS110	VASISTA
78.	1SG20IS111	VENKATESH K
79.	1SG20IS112	VENU M
80.	1SG20IS113	VIPIN KUMAR YADAV
81.	1SG20IS115	VIVEK C
82.	1SG20IS116	YASHASWINI B N
83.	1SG20IS118	YUKTHA R


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SL. NO.	USN	STUDENT NAME
1.	1SG20IS002	ADITI ARYA
2.	1SG20IS003	ADITYA KUMAR GUPTA
3.	1SG20IS005	AISHWARYA
4.	1SG20IS010	ANKITHA HATWAR K K
5.	1SG20IS011	ANKITHA MS
6.	1SG20IS012	APURVA ANAND
7.	1SG20IS015	BHARATHI D
8.	1SG20IS016	BHAVYA G
9.	1SG20IS017	BHISHMA NARAYAN PANDEY
10.	1SG20IS019	CHAITHRA S
11.	1SG20IS020	CHAITRAASHREE C

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12.	1SG20IS026	DEVIKA V.NAYAK
13.	1SG20IS028	DISHA S
14.	1SG20IS032	GANAVI J
15.	1SG20IS047	LAKSHMITHA NR
16.	1SG20IS058	NIRANJANA SURESH
17.	1SG20IS062	NISHI SINGH
18.	1SG20IS065	PALLAVI V B
19.	1SG20IS069	PRAVEEN HEGDE
20.	1SG20IS078	SAFIYA BI
21.	1SG20IS087	SHRUTI KISHORE
22.	1SG20IS108	VARSHITHA S
23.	1SG20IS109	VARSHITHA Y B
24.	1SG20IS117	YASHASWINI M KORI

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Signature of the Head
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Director
Principal
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SL.No	USN	NAME
1.	1SG21IS001	ABHILASH G M
2.	1SG21IS002	ADARSH SINGH JAMWAL
3.	1SG21IS003	AMULYA R
4.	1SG21IS004	AMULYA S
5.	1SG21IS005	ANANYA HG
6.	1SG21IS006	ANANYA VANDITHA S
7.	1SG21IS007	ANANYHA B C
8.	1SG21IS008	ANIRUDH ASHRIT
9.	1SG21IS009	ANJALI E
10.	1SG21IS010	APEKSHA KRISHNA NAIK
11.	1SG21IS011	ARCHANA N J
12.	1SG21IS012	BALAJI V
13.	1SG21IS013	BHANU TEJA K
14.	1SG21IS014	BHOOMIKA T SHENOY
15.	1SG21IS016	C DARSHAN
16.	1SG21IS017	C H GOURAV
17.	1SG21IS018	CHAITANYA B AKKI
18.	1SG21IS019	CHAITHANYA T P
19.	1SG21IS020	CHANDAN KUMAR M GUTHUR
20.	1SG21IS021	CHANDANASHREE V
21.	1SG21IS022	CHARITH R
22.	1SG21IS023	DARSHAN
23.	1SG21IS024	DEEPAK KUMAR S
24.	1SG21IS025	DHANUSH J R
25.	1SG21IS027	DHRUVA P KEMBHAVIMATH
26.	1SG21IS028	DHUSHYANTH GOWDA J
27.	1SG21IS029	DIVYA G S

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28.	1SG21IS030	GAGANA H N
29.	1SG21IS031	GEETHANJALI PUJAR
30.	1SG21IS032	GREESHMA R
31.	1SG21IS033	H T SUMANTH ACHAR
32.	1SG21IS034	HARSH RAJ
33.	1SG21IS035	HARSHAVARDHAN K A
34.	1SG21IS036	HARSHITHA B R
35.	1SG21IS037	HARSHITHA R
36.	1SG21IS038	HARSHITHA R S
37.	1SG21IS039	HARSHITHA U
38.	1SG21IS040	HEMALATHA C P
39.	1SG21IS041	HIMANSHU KUMAR
40.	1SG21IS043	K SINCHANA
41.	1SG21IS044	KARTHIK A N
42.	1SG21IS045	KARTHIK L
43.	1SG21IS046	KEERTHANA S
44.	1SG21IS047	LAKSHMI N M
45.	1SG21IS048	LAVANYA R
46.	1SG21IS049	LEKHANA D N
47.	1SG21IS050	LIKHITHA D R
48.	1SG21IS051	M P PRATEEKSHA
49.	1SG21IS052	MAHESH R
50.	1SG21IS053	MALLINATH
51.	1SG21IS054	MIMANSA
52.	1SG21IS055	N NAGASREE
53.	1SG21IS056	NEERAJ K S
54.	1SG21IS057	NETHRAVATHI C
55.	1SG21IS058	NIDHI S
56.	1SG21IS060	NITHYA S
57.	1SG21IS061	POOJA KERUR
58.	1SG21IS062	POOJA P
59.	1SG21IS063	PRACHEEN M G
60.	1SG21IS064	PRANAV P M
61.	1SG21IS065	PREETHAM M
62.	1SG21IS066	R K RAHUL

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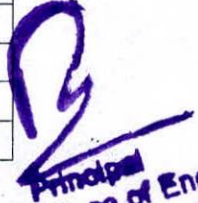
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SL. NO.	USN	STUDENT NAME
1.	1SG21IS067	RAKESH R
2.	1SG21IS069	RAKSHA K
3.	1SG21IS070	RAKSHA R
4.	1SG21IS071	RAKSHITHA J K
5.	1SG21IS072	RAKSHITHA K
6.	1SG21IS073	RASHMI G V
7.	1SG21IS074	ROHAN R GOLASANGI
8.	1SG21IS075	RUCHITHA S
9.	1SG21IS076	RUSTITHA N
10.	1SG21IS077	S MONICA
11.	1SG21IS079	SAHANA B M
12.	1SG21IS080	SAHANA H V
13.	1SG21IS081	SANIKA S
14.	1SG21IS082	SANJANA B S
15.	1SG21IS083	SANJAY G
16.	1SG21IS085	SHARANAGOWDA MALLANAGOWDA CHOWDRI
17.	1SG21IS086	SHARANGOWDA K R
18.	1SG21IS087	SHARATH RAM PRAKASH RS
19.	1SG21IS088	SHIVARTH N S
20.	1SG21IS089	SHREYA S CHOWDARY


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21.	1SG21IS090	SHREYA S M
22.	1SG21IS091	SHRITEJA SHASTRY S
23.	1SG21IS092	SIDDAPPA GARI MEGHANATH
24.	1SG21IS094	SNEHA S GANACHARI
25.	1SG21IS095	SONIYA N R
26.	1SG21IS096	SOUHARDA S
27.	1SG21IS097	SOWMYA K G
28.	1SG21IS098	SPOORTHY K P
29.	1SG21IS099	SUCHETHA V
30.	1SG21IS100	SUHAS M R
31.	1SG21IS101	SURAJ S NAIR
32.	1SG21IS102	T NOOR DANIYA
33.	1SG21IS103	TEJAS R
34.	1SG21IS104	THANUSHREE R
35.	1SG21IS105	THANVI N GOWDA
36.	1SG21IS107	VAMSHIDHAR KUMBAR
37.	1SG21IS108	VARSHA R K
38.	1SG21IS109	VARSHITHA N
39.	1SG21IS111	VARUN Y G
40.	1SG21IS112	VIJAYALAKSHMI B
41.	1SG21IS113	VIKAS D RAJ
42.	1SG21IS114	VIKASH KUMAR
43.	1SG21IS115	VINAY S
44.	1SG21IS116	VINAYAK S
45.	1SG21IS117	VIPIN VIJAY HEGDE
46.	1SG21IS118	VIPUL VIJAY HEGDE
47.	1SG21IS119	VIVEK VASISTA K Y
48.	1SG21IS121	MEGHANA S
49.	1SG22IS400	AARCHA
50.	1SG22IS401	AKASH.K
51.	1SG22IS402	ANANYA DR
52.	1SG22IS403	BHARATH GOWDA.B
53.	1SG22IS404	BHAVANA.V
54.	1SG22IS405	BINDHU.N
55.	1SG22IS406	JEEVAN.B.M


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56.	1SG22IS407	MANJUNATH.K.T
57.	1SG22IS408	SHREYAS.N.M
58.	1SG22IS409	VASU.C
59.	1SG22IS410	VENUGOPAL.S
60.	1SG20IS104	UJWAL.N

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