



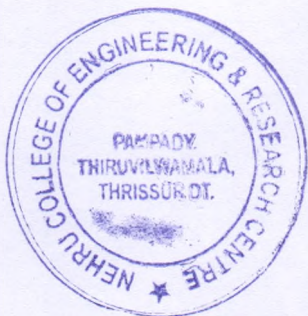
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**2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences**

SL NO	CONTENTS	PAGE NO
1	Experiential Learning	2
2	Participative Learning	6
3	Problem Solving Methodologies	10



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# EXPERIMENTAL LEARNING




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Pin 680 597 Kerala

Experiment  
Learning

# EXPERIMENTAL LEARNING



  
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686 597 Kerala

# EXPERIMENTAL LEARNING



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# EXPERIMENTAL LEARNING



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Pin 680 597 Kerala

# PARTICIPATIVE LEARNING



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Pin 680 597 Kerala

Participative  
Learning

# PARTICIPATIVE LEARNING



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Kerala

# PARTICIPATIVE LEARNING



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Pin 680 597 Kerala

# PARTICIPATIVE LEARNING



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Pin - 680 597 Kerala

Project  
2020-21

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



Register No	Name of the Student	Title of the Project	Project Guide
NCE17EE002	Akshay M S	Power Factor Circuit-Breaker	P. Sunadramoorthi
NCE17EE004	Benny Thomas Job		
NCE17EE011	Sandeep V C		
NCE17EE012	Sreenath A G		
NCE17EE005	Drishya C R	Advanced Gesture Controlled Smart Home	Anoop Kumar M V
NCE17EE007	Hasnu Haneefa		
NCE17EE003	Aswathy S		
NCE16EE006	Aghil K B	IoT based Smart Energy Meter	Rajesh P
NCE16EE037	Rohith V		
LNCE15EE059	Jeevan E R		
NCE17EE001	Abna P Ashraf	Wireless Charging of Electric Vehicles	K Maheswaran
LNCE17EE014	Amina Fidha		
NCE17EE008	Gopika D		
NCE17EE008	Joel T Johny	Electromagnetic Pulse based Data Erasing	G Rajkumar
LNCE17EE015	Mohammed Shihab		
NCE17EE013	Vishnu C		
NCE17EE009	Maneesh S	Controllable Automatic Voltage Regulator	E David
NCE17EE010	Nirmala M		
NCE16EE028	Megha G		

ch

PROJECT COORDINATOR

P T RAJENA MOL



HOD/EEE

Dr. SOBHA MANAKKAL

PRINCIPAL  
Nehru College of  
Engineering and Research Centre  
Thiruvananthapuram

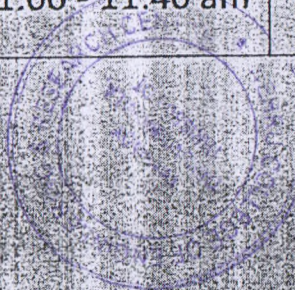
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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

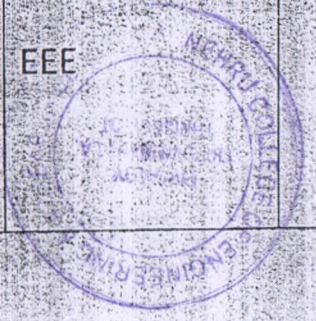
**EE 492 PROJECT - SCHEDULE FOR S8 PROJECT EXAMINATION**

Date	Time	Register No	Chairman	External/ Industrial Member	External from sister dept	Internal examiners
July 14, 2021	08:30 - 09:10 am	NCE17EE002	Dr. Sobha Manakkal	P.T.Rajeena Mol.	Muruganandam C	Sundaramoorthi.P
July 14, 2021	09:20 - 10:00 am	NCE17EE004	Prof & Head	AP, EEE	Associate Professor, ECE	AP, EEE
July 14, 2021	10:00 - 10:50 am	NCE17EE011	EEE			K Maheswaran AP, EEE
July 14, 2021	11:00 - 11:40 am	NCE17EE012				



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 Thiruvananthapuram, Kerala  
 Ph: 680 557 1000

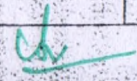
Date	Time	Register No	Chairman	External/ Industrial Member	External from sister dept	Internal examiners
July 14, 2021	11:50 - 12:30 am	NCE17EE005	Dr. Sobha Manakkal	P.T.Rajeena Mol	Muruganandam C	K. Maheswaran
July 14, 2021	01:00 - 01:40 p n	NCE17EE007	Prof & Head EEE	AP, EEE	Associate Professor, ECE	AP, EEE Anoop Kumar M V AP, EEE
July 14, 2021	01:50 - 02:30 pm	NCE17EE003				
July 14, 2021	02:40 - 03:10 pm	NCE16EE006	Dr. Sobha Manakkal	P.T.Rajeena Mol	Muruganandam C	Rajesh .P
July 14, 2021	03:20 - 04:00 pm	NCE16EE037	Prof & Head EEE	AP, EEE	Associate Professor, ECE	AP, EEE K Maheswaran AP, EEE
July 14, 2021	04:10 - 04:50 pm	LNCE15EE059				



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 Pin - 689 507 Kerala

Date	Time	Register No	Chairman	External/ Industrial Member	External from sister dept	Internal examiners
July 15, 2021	08:30 - 09:10 am	NCE17EE001	Dr. Sobha Manakkal	P.T.Rajeena Mol	Muruganandam C	K Maheswaran
July 15, 2021	09:20 - 10:00 am	LNCE17EE014	Prof & Head EEE	AP, EEE	Associate Professor, ECE	AP, EEE Saranya Nair AP, EEE
July 15, 2021	10:00 - 10:50 am	NCE17EE006				
July 15, 2021	11:00 - 11:40 am	NCE17EE008	Dr. Sobha Manakkal	P.T.Rajeena Mol	Muruganandam C	Rajkumar.G
July 15, 2021	11:50 - 12:30 am	LNCE17EE015	Prof & Head EEE	AP, EEE	Associate Professor, ECE	AP, EEE K Maheswaran AP, EEE
July 15, 2021	01:00 - 01:40 pm	NCE17EE013				



  
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Department of Electrical and Electronics Engineering

EE 492 – PROJECT WORK – REVIEW 1 – SCHEDULE

S.No	REGISTER No	NAME OF THE STUDENTS	PROJECT TITLE	DATE	SESSION
1	NCE17EE001	ABNA P ASHRAF	Wireless Charging System for Electric Vehicles	21.04.2021	FORENOON
	NCE17EE006	GOPIKA D			
	LNCE17EE014	AMINA FIDHA			
2	NCE16EE006	AGKIL K B	IoT Based Smart Energy Meter	21.04.2021	AFTERNOON
	NCE16EE037	ROHIT V			
	LNCE15EE059	JEEVAN E R			
3	NCE17EE002	AKSHAY M S	Power Factor Circuit Breaker	22.04.2021	FORENOON
	NCE17EE004	BENNY THOMAS JOB			
	NCE17EE011	SANDEEP VC			
	NCE17EE012	SREENATH A G			
4	NCE17EE003	ASWATHY S	Advanced Gesture Controlled Smart Home	22.04.2021	AFTERNOON
	NCE17EE005	DRISHYA C R			
	NCE17EE007	HASNU HANEEFA			
5	NCE17EE009	MANEESHA S	Implementation of Programmable Automatic Voltage Regulator	23.04.2021	FORENOON
	NCE17EE010	NIRMALA M			
	NCE16EE028	MEGHA G			
6	NCE17EE008	JOEL T JOHNY	Electromagnetic Pulse Based Data Erasing	23.04.2021	AFTERNOON
	NCE17EE013	VISHNU C			
	LNCE17EE015	MOHAMMED SHIHAB			

1. Project presentation to be done by students individually as per the scheduled time.
2. PPT must be approved by respective guides before presentation.
3. Hardware completed till now to be brought to college and explained during presentation.
4. Thorough knowledge on project components, hardware configuration, working of the model, engineering concepts is expected from each student.
5. COVID protocol to be followed.
6. Paper to be presented in conference. Details of the paper also to be presented during project review.


  
PROJECT COORDINATOR

P T RAJEENA MOL



  
HoD/EEE

Dr. SOBHA MANAKKAL

  
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Nehru College of

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APJ Abdul Kalam Technological University  
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2020-21 ACADEMIC YEAR

CS492: PROJECT DETAILS

*Project, Seminars  
& Design Project Details*

GROUP NO:	GROUP MEMBERS		SUPERVISOR	PROJECT TITLE	TYPE	RELAVANCE
	REGISTER NO:	NAME				
1	NCE17CS001	ADITH S	Silja Varghese	Confriends-Web Conferencing and Sharing	Applications	Safety and Ethics
	NCE17CS004	AKARSH K MURTHY				
	NCE17CS020	ROHIT BHASKAR UDAY				
	NCE17CS029	VISHNU H				
2	NCE17CS002	AFSEENA A	Vipin K m	Smart health care monitoring System using IOT	Product	Safety and Environment
	NCE17CS006	AMRUTHA R				
	NCE17CS009	ANUPAMA V S				
	NCE17CS021	SAHLA K				
3	NCE17CS003	AISWARYA M	Sruthy MR / Dr.U.Vijay Sankar	Applications of Steganography for preventing Cyber Crimes	Applications	Safety and Ethics
	NCE17CS010	C SILPA				
	NCE17CS012	DEVIKA S NAIR				
	NCE16CS095	RESHMA VIJAYAKUMAR				
4	NCE17CS005	AKSHAY SANKER M	Shiji S	Live Automatic Threat Detection Interpreter	Applications	Safety
	NCE17CS015	GOUTHAM GOPINATH				
	NCE17CS022	SANMAYANAND KRISHNA A H				
	NCE16CS112	SURJITH SHANKER S				
5	NCE17CS011	DEEPIKA R	Biji K P / Nisha A K	Cloud based aplication for Social distancing infringement recognition	Applications	Safety
	NCE17CS014	FATHIMA NASREEN K H				
	NCE17CS017	LIKHA S				
	NCE17CS023	SHIBILA S				
6	NCE17CS013	DIVYA P	Baby V	Intelligent Transport System	Applications	Safety and Environment
	NCE17CS016	LEENU MATHEW				
	NCE17CS024	SHINU				
	NCE17CS025	SILPA M S				
7	NCE17CS018	NISHANA N	Divya Y / Arun K	Sentimental Analysis of Tweets	Applications	Safety
	NCE17CS019	RISNA C M				
	NCE17CS027	S SUHAILA				
8	NCE16CS001	ABHIJITH P U	Radhika K Manjusha	Fake News Detection	Applications	Ethics
	NCE16CS073	MUHAMMAD NIYAS K K				
	NCE17CS028	VIPINDAS V R				
	NCE17CS030	VISHNU S				
9	NCE16CS055	HIJAS IBRAHIM	Vysagh M	Wild Animal Alert System	Product	Safety and Environment
	NCE16CS075	NAVANEETH K				
	NCE16CS099	SHAFEEQ RAHMAN C P				
	NCE16CS115	UMMER HASHIM				

*[Signature]*  
COORDINATOR

*[Signature]*  
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Pin - 680588





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2020-21 ACADEMIC YEAR

## CS341 DESIGN PROJECT DETAILS (CSE-A)

Group No	REG.NO	Name	Title	Supervisor
1	NCE18CS002	ABHIJITH LAL C	C Care	Arun K
	NCE18CS008	AJAY K S		
	NCE18CS009	AJITH KUMAR R		
	NCE18CS011	AKSHAY M		
2	NCE18CS016	ARYA R	Patient Mngement System	Silja Varghese
	NCE18CS021	DURGA RAGHU K		
	NCE18CS029	MALAVIKA V		
	NCE18CS034	MONISHA G NAIR		
3	NCE18CS001	ABHIJITH K P	Carela (Hospital OP ticket book app )	Vysagh M
	NCE18CS020	ATHUL P		
	NCE18CS025	JOHNLY K BABU		
4	NCE18CS007	AISWARYA V NAIR	Smart Seige	Nisha A K
	NCE18CS027	K PRAVEENA		
	NCE18CS031	MAYA VINOD		
5	NCE18CS003	ABHINAV C	Pandemic outbreak Management app	Dr.U.Vijay Sankar
	NCE18CS023	I ISHAQ		
	NCE18CS028	MAJEED I		
6	NCE18CS013	ANJALI E	Dam Management	Sruthy MR
	NCE18CS015	ARATHI CHANDRABOSE		
	NCE18CS018	ASWATHI CHANDRABOSE		
	NCE18CS019	ATHIRA CHANDRABOSE		
7	NCE18CS032	MOHAMED YASEEN I	Hostel management system	Vipin K m
	NCE18CS033	MOHAMMED ASIF		
	LNCE18CS065	JAYESH K M		
8	NCE18CS022	GOPIKA	Future Foresight	Divya y
	NCE18CS024	JISNI JOHNSON P		
	NCE18CS026	KAVYA KALIDAS		
9	NCE18CS010	AKSHAYA S	Shot Quest	Biji K P
	NCE18CS017	ASHA K		
	NCE18CS030	MANASA K S		
10	NCE18CS004	AISWARYA GOPINATH	Costume appraise using smartglass	Baby V
	NCE18CS006	AISWARYA S MENON		
	NCE18CS014	ANJU ANTO		

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### DEPARTMENT OF MECHANICAL ENGINEERING



#### ME 492 - Project Group Details

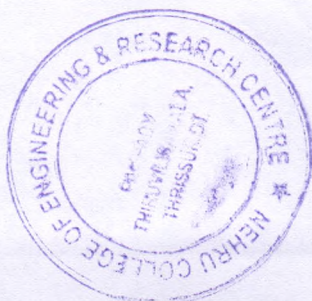
Semester/ Year : S8 / Final Year

Batch : 2017 - 2021

GROUP NO	NAME OF THE STUDENT	REG NO:	GUIDE NAME	TITLE OF THE PROJECT
1	APARNA E	NCE17ME005	Mr Rakesh P R	Design, Fabrication and Analysis of Biodegradable Sanitary Napkin making Machine
1	BHAVANA M S	NCE17ME008		
1	KAILAS R	NCE17ME012		
1	NASIK P	NCE17ME014		
2	AMAL KRISHNA R	NCE17ME004	Mr.Prashob/Mr Deepak V K	Design and Fabrication of Manually Operated Multiple Seed Planting Machine
2	DIJITH C S	NCE17ME010		
2	AVINASH PS	NCE17ME007		
2	SUDHIN G	NCE17ME025		
3	SHABEER ALI	NCE16ME095	Mr. Vishag/Mr. Tedy Thomas	Three Way Abrasive Jet Machining and Polishing
3	AJITH BABU P	LNCE17ME027		
3	ABIN KRISHNA R	LNCE17ME026		
3	MIDHIN KALIDAS S	NCE17ME013		
4	RAMNATH V	NCE17ME017	Mr. Sabarish C S	Design Fabrication and Thermal Analysis of LPG Refrigeration System with PCM for Food Preservation in Rural Areas.
4	REVANDH R	NCE17ME018		
4	SADIQ RAHMAN	NCE17ME019		
4	S AKHIL	NCE17ME020		
5	PRASOBH PRAKASH	NCE17ME015	Dr. George Job K	Experimental Evaluation of Mechanical Properties of Banana Fiber and Silicon Carbide.
5	SHAMSUDHEEN ALI HA	NCE17ME023		
5	ARJUN P	NCE17ME006		
5	B SANJAY RAM	NCE17ME009		
6	ADARSH SIVADAS C	NCE17ME001	Mr. Sanoj T	Foldable Treadmill Scooter with Lithium-Iron Battery
6	RAJAMANI	MEC17ME027		
6	ROHIN R	NCE16ME085		
6	SHITHIN MOHAN M	NCE17ME024		
7	ELDO ANDREW ABRAH	NCE17ME011	Mr. Rahul R	Experimental Investigation on Cast Iron Alloy and Analysis of Piston Ring Made of it
7	AJAY PRASAD K C	NCE17ME002		
7	AMAL E THOMAS	NCE17ME003		
7	SARATH V J	NCE17ME022		
8	AKASH K S	NCE16ME018	Mr. Prashob M A	Power Generation from Automobile Exhaust using Thermoelectric Generator
8	Ajith V M	NCE16ME016		
8	ARJUN N M	NCE16ME034		Year out student/ Old Project Title
8	Arun P Arjun	NCE16ME039		
9	JOBIN RAJU	NCE16ME061	Mr. Vishag T	Study of Mechanical Behaviour of Coconut Fiber Epoxy Composite
9	ANAND K R	NCE16ME028		
9	ASIF ALI I	NCE16ME041		

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DEPARTMENT OF MECHANICAL ENGINEERING



ME 492 - Project CO- PO Attainment  
Semester/ Year : S8 / Final Year  
Batch : 2017 - 2021

GROUP NO	NAME OF THE STUDENTS	REG NO:	Reiew 1 Marks(10)	Reiew 2 Marks(10)	Internal Marks (20)	GUIDE NAME
1	APARNA E	NCE17ME005	9	9	18	Mr Rakesh P R
1	BHAVANA M S	NCE17ME008	10	7	17	
1	KAILAS R	NCE17ME012	8	8	16	
1	NASIK P	NCE17ME014	9	8	17	
				Group 1 Average	17	
				Converted to 3	2.55	
2	AMAL KRISHNA R	NCE17ME004	9	8	17	Mr.Prashob M.A/Mr Deepak V I
2	DIJITH C S	NCE17ME010	9	8	17	
2	AVINASH PS	NCE17ME007	9	7	16	
2	SUDHIN G	NCE17ME025	9	8	17	
				Group 2 Average	16.75	
				Converted to 3	2.51	
3	SHABEER ALI	NCE16ME095	7	5	12	Mr.Vishag/Mr. Tedy Thomas
3	AJITH BABU P	LNCE17ME027	6	6	12	
3	ABIN KRISHNA R	LNCE17ME026	6	6	12	
3	MIDHIN KALIDAS S	NCE17ME013	6	6	12	
				Group 3 Average	12	
				Converted to 3	1.8	
4	RAMNATH V	NCE17ME017	9	9	18	Mr. Sabarish C S
4	REVANDH R	NCE17ME018	8	9	17	
4	SADIQ RAHMAN	NCE17ME019	6	8	14	
4	S AKHIL	NCE17ME020	6	8	14	
				Group 4 Average	15.75	
				Converted to 3	2.36	
5	PRASOBH PRAKASH	NCE17ME015	9	9	18	Dr. George Job K
5	SHAMSUDHEEN ALI HAM	NCE17ME023	9	8	17	
5	ARJUN P	NCE17ME006	8	8	16	
5	B SANJAY RAM	NCE17ME009	8	9	17	
				Group 5 Average	17	
				Converted to 3	2.55	
6	ADARSH SIVADAS C	NCE17ME001	7	9	16	Mr. Sanoj T
6	RAJAMANI	MEC17ME027	7	9	16	
6	ROHIN R	NCE16ME085	7	7	14	
				Group 6 Average	15.33	
				Converted to 3	2.3	
6	SHITHIN MOHAN M	NCE17ME024	0	0	0	
7	ELDO ANDREW ABRAHAM	NCE17ME011	6	8	14	Mr. Rahul R
7	AJAY PRASAD K C	NCE17ME002	6	8	14	
7	AMALE THOMAS	NCE17ME003	6	6	12	
7	SARATH V J	NCE17ME022	6	6	12	
				Group 7 Average	13	
				Converted to 3	1.95	
8	AKASH K S	NCE16ME018	6	6	12	Mr. Prashob M A
8	Ajith V M	NCE16ME016	6	7	13	
8	ARJUN N M	NCE16ME034	6	6	12	
				Group 8 Average	12.33	
				Converted to 3	1.85	
8	<u>Arun P Arjun</u>	NCE16ME039	6	7	13	
9	JOBIN RAJU	NCE16ME061	7	5	12	Mr. Vishag T
9	ANAND K R	NCE16ME028	5	7	12	
9	ASIF ALI I	NCE16ME041	7	5	12	
				Group 9 Average	12	
				Converted to 3	1.8	

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Department of Mechanical Engineering  
ME 492 PROJECT PRESENTATION AND VIVA VOCE EXAM- FINAL MARK DISTRIBUTION



Date: 19-07-2021

SL NO	Register No	Name	Ext Expert	Chairman	Inter Dept Staff	Internal Examiner-1	Guide	Total	Project Marks Out of 80	Project Marks Out of 80 (Rounded Off)	Int Marks (20)	Out of 100
1	NCE17ME001	ADARSH SIVADAS.C	63	32	54	48	50	247	49.4	50	16	66
2	NCE17ME002	AJAY PRASAD K.C	70	61	64	59	74	328	65.6	66	14	80
3	NCE17ME003	AMAL E THOMAS	62	59	61	54	66	302	60.4	61	12	73
4	NCE17ME004	AMAL KRISHNA R	50	30	45	43	49	217	43.4	44	17	61
5	NCE17ME005	APARNA E	65	57	66	59	63	310	62	62	18	80
6	NCE17ME006	ARJUN.P	61	60	60	57	60	298	59.6	60	16	76
7	NCE17ME007	AVINASH P.S	51	30	43	43	47	214	42.8	43	16	59
8	NCE17ME008	BHAVANA M.S	57	47	65	59	59	287	57.4	58	17	75
9	NCE17ME009	SANJAY RAM.B	70	69	68	61	69	337	67.4	68	17	85
10	NCE17ME010	DIJITH C.S	51	30	43	39	47	210	42	42	17	59
11	NCE17ME011	ELDO ANDREW ABRAHAM	71	67	69	64	74	345	69	69	14	83
12	NCE17ME012	KAILAS.R	59	41	51	50	52	253	50.6	51	16	67
13	NCE17ME013	MIDHIN KALIDAS.S	51	37	48	48	64	248	49.6	50	12	62
14	NCE17ME014	NASIK.P	61	49	57	54	61	282	56.4	57	17	74
15	NCE17ME015	PRASOBH PRAKASH	71	69	70	67	69	346	69.2	70	18	88
16	NCE17ME017	RAMNATH.V	76	72	75	71	72	366	73.2	74	18	92
17	NCE17ME018	REVANDEEN.R	73	72	70	71	70	356	71.2	72	17	89



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18	NCE17ME019	SADIQ RAHMAN	48	42	45	47	46	228	45.6	46	14	60
19	NCE17ME020	S.AKHIL	63	54	59	59	60	295	59	59	14	73
20	NCE17ME022	SARATH.V.J	61	50	55	52	62	280	56	56	12	68
21	NCE17ME023	SHAMSUDHEEN ALI HAMS A	69	69	68	68	69	343	68.6	69	17	86
22	NCE17ME025	SUDHIN.G	52	44	46	44	48	234	46.8	47	17	64
23	LNCE17ME026	ABIN KRISHNA.R	48	40	45	40	64	237	47.4	48	12	60
24	LNCE17ME027	AJITH BABU.P	49	40	45	40	64	238	47.6	48	12	60
25	MEC17ME027	RAJAMANI	65	58	65	59	64	311	62.2	63	16	79
26	NCE16ME095	SHABEER ALI	48	40	51	47	47	233	46.6	47	12	59
27	NCE16ME018	AKASH.K.S	48	40	45	45	47	225	45	45	12	57
28	NCE16ME028	ANAND K.R	56	39	51	45	56	247	49.4	50	12	62
29	NCE16ME034	ARJUN N.M	48	40	44	45	47	224	44.8	45	12	57
30	NCE16ME041	ASIF ALI	51	40	50	45	56	242	48.4	49	12	61
31	NCE16ME061	JOBIN RAJU	63	41	54	46	68	272	54.4	55	12	67
32	NCE16ME085	ROHIN R	63	53	56	53	59	284	56.8	57	14	71
33	NCE16ME016	AJITH V.M	46	39	45	45	48	223	44.6	45	13	58

COORDINATOR

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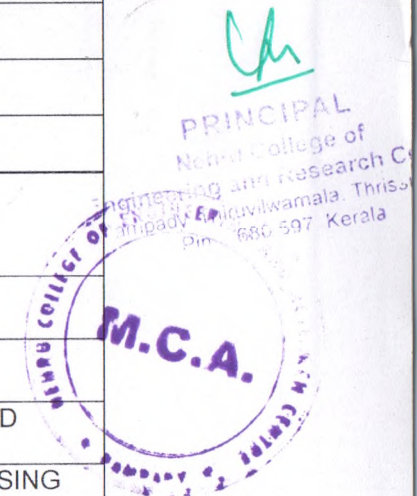
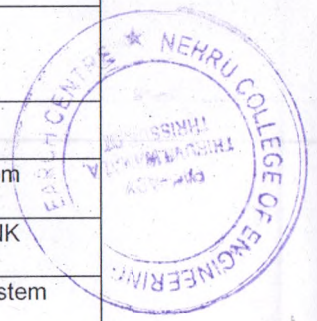
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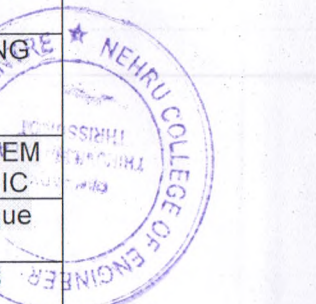
**MCA 2018-2021 BATCH PROJECT TITLE**


Name & Register Number	Branch	Course Name/Code	Project Title
ABHILASH P-LNCE18MCA006	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	ONROAD VEHICLE BREAKDOWN ASSISTANCE
ANASWARA V-LNCE18MCA007	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	Women security system
ANJALI P-LNCE18MCA008	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	Python project-OCR- Text extraction from image
ANJALI V-LNCE18MCA009	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	PHP PROJECT - ONLINE BLOOD BANK SYSTEM
ANJU P-LNCE18MCA010	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	Pharmaceutical Product Distribution System
ANOOJA K J-LNCE18MCA011	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	Tempera - Online art gallery
DHANEESHA P D-LNCE18MCA018	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	EYE OPENER FOR BLIND PEOPLE
DIMPLE WILSON-LNCE18MCA019	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	Soil prediction using image processing problem
GREESHMA R-LNCE18MCA020	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	WEBPAGE CLASSIFICATION
Karthika M-LNCE18MCA021	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	ONLINE AUCTION BIT
LIDIYA C-LNCE18MCA022	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	chatbot
LIJI V-NCE18MCA001	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	STOCK MARKET ANALYSIS
ANUPAMA V-LNCE18MCA012	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	Exam Hall Management
ARUN P-LNCE18MCA013	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	CAR CASTLE
ARYA DAS K-LNCE18MCA014	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	Take Care
ASHLY GEORGE-LNCE18MCA015	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	VEHICLE DETECTION AND SPEED TRACKING
ASWATHI K-LNCE18MCA016	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	BREAST CANCER DETECTION USING MACHINE LEARNING
ASWATHI K S-LNCE18MCA017	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	HOSTEL MANAGEMENT SYSTEM
NAMITHA P R-LNCE18MCA023	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	SECURE AND EFFICIENT SKYLINE QUERIES ON ENCRYPTED DATA
NAYANA P SOMAN-LNCE18MCA024	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	DISEASE PREVENTION

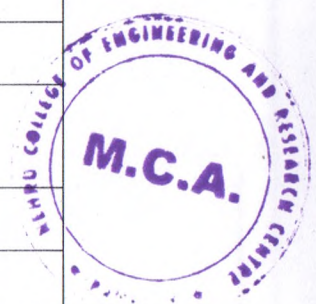


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NAZNI MARWA S R-LNCE18MCA025	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	Store to door Online delivery system
PAISY SHAJAN-LNCE18MCA026	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	WEB BASED APPLICATION FOR FARM MANAGEMENT SYSTEM
RAGHI P-LNCE18MCA027	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	Food Distribution Site and avoid is food wastage
RAHUL K-LNCE18MCA028	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	TUNIFY MUSIC STREAMING WEB APP
RESHMI MOHAN-LNCE18MCA029	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	PRODUCT RECOMMENDATION USING SENTIMENTAL ANALYSIS
REVATHI C P-LNCE18MCA030	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	AUTOMATED FRUIT GRADING SYSTEM USING IMAGE PROCESSING TECHNIC
REVATHI H-LNCE18MCA031	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	Automated Double Processing Technique Using for Restaurant management
RUKSANA B-LNCE18MCA032	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	Project title: PREDICTING STUDENTS PERFORMANCE
SACHIN K M-LNCE18MCA033	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	INTRA-DATA HANDLING TECHNIQUE USING FOR DEPARTMENT WEBSITE
SAHLA THAHSEEN-LNCE18MCA034	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	CRIMINAL BEHAVIOR ANALYSIS AND SEGMENTATION
SAWPARNIKA T R-LNCE18MCA035	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	INTERNSPRO
SOFIYA S-LNCE18MCA036	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	WEED PLANT DETECTION
SARITHA V S-NCE18MCA002	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	SNAP TRACK
SOORYA V-NCE18MCA003	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	Fake News Exposure Using Machine Learning
SREEJA A-LNCE18MCA037	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	DELIVERO
SREYA BALAKRISHNAN-LNCE18MCA038	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	BACTERIA CLASSIFICATION
SWATHI A C-LNCE18MCA039	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	CREDIT CARD FRAUD DETECTION
SREELAKSHMI MAYA T K-NCE18MCA004	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	DRIVER FATIGUE DETECTION SYSTEM
SREESHMA C-NCE18MCA005	MASTERS IN COMPUTER APPLICATIONS	PROJECT AND VIVA VOCE (RLMCA352)	FAKE CURRENCY DETECTION



  
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**NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE**

**DEPARTMENT OF MCA**

**S6 FINAL PROJECT KEY DATES AND MILESTONES**

2018-21

Week	Schedule	Date
	Initial Discussions on Project Methodology.	2021 March 18, Thursday <i>Whole Class session</i>
I	Selection of Topic, Feasibility analysis.	Mar 22, Thursday
II	Topic Approval, Meeting of student and Scrum Master with Product Owner. Informal, preliminary discussions of requirements. Creating user stories in the rough record. Commencement of the Project.	Mar 25, Thursday <i>Meet your guide in-person.</i>
III	Identifying modules, Initial Design of Database & UI. Starting Test Driven Development. Creating an empty git repository by Scrum Master / Student. Pushing the first version of the Project along with a Readme file containing contact details of team members. Using Branch for individual members. Merging with Master.	Apr 5, Monday
IV	First Scrum Review. (Here onwards, the Scrum reviews are conducted on every other week)	Apr 16, Friday <i>Meet your guide in-person.</i>
VII	Project Presentation - Interim Evaluation to be based on Git History	April 30, Friday <i>Whole Class session</i>
XII	Project Presentation - Final Evaluation to be based on Git History	May 17, Monday <i>Whole Class session</i>
XIII	Submission of Project Report, with Rough Record	May 28, Friday
	Project Report Submission	June 4, Friday
	PDF file Uploading	<i>Awaiting KTU dates (around Jun 10)</i>
	Viva expected date	<i>Awaiting KTU dates (around Jun 20)</i>

Note: All students should stay linked with their Faculty Guides/Scrum masters, and send all required communications/documents connected with the project when and where necessary.

HOD-MCA

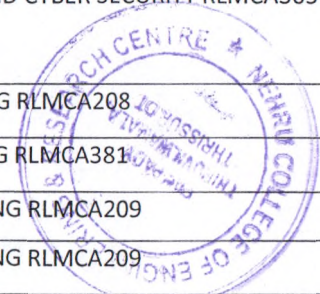
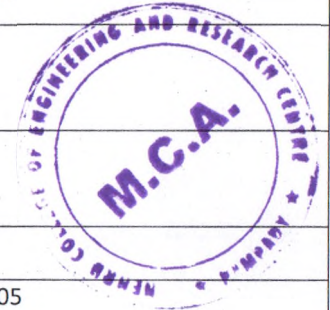
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601 007 Kerala



2017-2020

NO	NAME	PROJECT	SUBJECT NAME AND CODE
1	AISWARYA GOPALAKRISHN AN	AUXILIUM-THE EXIGENCY SOLUTION	MACHINE LEARNING RLMCA208
2	AISWARYA P U	STOCK MARKET ANALYSIS AND PREDICTION USING VITERBI ALGORITHM	SOCIAL NETWORK ANALYSIS RLMCA371
3	AMITHA S	IMPLEMENTING E-SHOPPING STRATEGIES FOR MARKET ORIENTATION	SOCIAL NETWORK ANALYSIS RLMCA371
4	ANIL M N	AUTOMATING RETAIL MARKETING BY ANALYSING CONSUMER BEHAVIOUR FOR MARKET SEGMENTATION	WEB PROGRAMMING RLMCA209
5	ANJALI K	SEKHA-BUILDING SKILLED DEVELOPERS THROUGH SWOTTING	CRYPTOGRAPHY AND CYBER SECURITY RLMCA305
6	ANOOSHA V	CLIENT FORCE AUTOMATION WITH PROJECT TRACKER	CRYPTOGRAPHY AND CYBER SECURITY RLMCA305
7	ARATHI R	FACIAL EMOTION RECOGNITION USING CONVOLUTIONAL NEURAL NETWORK	MACHINE LEARNING RLMCA208
8	ARDRAKRISHNA N K G	DREAM HOUSE	MACHINE LEARNING RLMCA208
9	ARUN K S	HEART DISEASE PREDICTION SYSTEM	BIG DATA TECHNOLOGIES RLMCA204
10	ASWATHY	SEMANTIC ANALYSIS OF APP REVIEW FOR FRAUD DETECTION USING FUZZY LOGIC	CRYPTOGRAPHY AND CYBER SECURITY RLMCA305
11	ASWATHY C J	AUTOMATIC NUMBER PLATE RECOGNITION	MACHINE LEARNING RLMCA208
12	AZED ALI	IMAGE CLOUD SECURITY SYSTEM	CLOUD COMPUTING RLMCA381
13	GREESHMA K P	ONLINE CAMPUS RECRUITMENT	WEB PROGRAMMING RLMCA209
14	JAYALAKSHMI	KISSANMITHRA	WEB PROGRAMMING RLMCA209
15	JIJJI SASIDHARAN	CREDIT CARD FRAUD DETECTION USING MACHINE LEARNING FUTURE TRANSACTION IN DATA ANALYSIS	CRYPTOGRAPHY AND CYBER SECURITY RLMCA305
16	JINCY V K	EMPLOYEE PROJECT MANAGEMENT WORKFLOW SYSTEM	DATABASE MANAGEMENT SYSTEMS RLMCA205
17	JISHA K	FRAUD DETECTION OF APPS USING SENTIMENT ANALYSIS	CRYPTOGRAPHY AND CYBER SECURITY RLMCA305
18	JISHNA UNNI	CUSTOMIZED ECHO BAG MANAGEMENT SYSTEM	WEB PROGRAMMING RLMCA209
19	KEERTHY RAJAN K	PREDICTION OF DIABETIC RETINOPATHY IN HUMAN EYES USING DEEP LEARNING	BIG DATA TECHNOLOGIES RLMCA204



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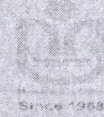
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20	MALAVIKA GANGADHARAN	BUILDOPUS	CRYPTOGRAPHY AND CYBER SECURITY RLMCA305
21	N SEENA	VEHICLE SEAT VACANCY IDENTIFICATION USING IMAGE PROCESSING TECHNIQUE	WEB PROGRAMMING RLMCA209
22	RAHUL JOHNSON	AGROADVISOR	BIG DATA TECHNOLOGIES RLMCA204
23	RESHMA	BRAIN TUMOUR DETECTION USING CONVOLUTIONAL NEURAL NETWORKS	BIG DATA TECHNOLOGIES RLMCA204
24	REVATHY KRISHNANKUTTY	FOOD RECOVERY MANAGEMENT SYSTEM	BIG DATA TECHNOLOGIES RLMCA204
25	SHAMEENA	MINING EXAM QUESTION BASED ON BLOOMS TAXONOMY	DATABASE MANAGEMENT SYSTEMS RLMCA205
26	SONA K RAJU	TUMOR DETECTION FROM BRAIN MRI IMAGES	DATABASE MANAGEMENT SYSTEMS RLMCA205
27	SREELAKSHMI	MULTIWEB ADVERTISEMENT HANDLER	WEB PROGRAMMING RLMCA209
28	SREELEKHA T K	RTEA : IMPLEMENTING BUSINESS TRENDS FOR CORPORATE IDENTITY SERVICES	SOCIAL NETWORK ANALYSIS RLMCA371
29	SURABHI	CONSTRUCTION OF DEEP CONVOLUTIONAL NEURAL NETWORK FOR MEDICAL IMAGE CLASSIFICATION	DATABASE MANAGEMENT SYSTEMS RLMCA205
30	SWATHY N NAMBIAR	SHEHELPER	DATABASE MANAGEMENT SYSTEMS RLMCA205
31	VIDYA	CITY PARKING MONITORING AND MANAGEMENT SYSTEM : MY CITY PARKING APP	MACHINE LEARNING RLMCA208
32	YADHUKRISHNA	ENABLING A GLOBAL CHANNEL FOR MARKETING MANAGEMENT USING THE UNIQUE SELLING PROPOSITION	BIG DATA TECHNOLOGIES RLMCA204





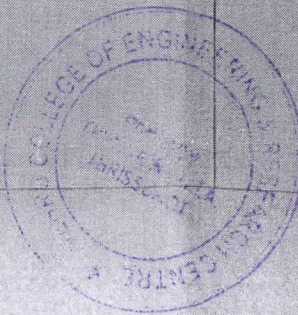
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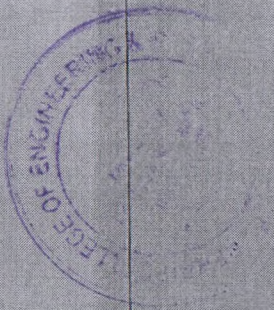
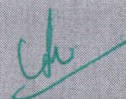
ME 492 – PROJECT

SCHEDULE – JULY 2021

Date	Time	Register No	Chairman	External/ Industrial Member	External from Sister Dept	Internal Examiners
Day 1 (14.07.21) Wednesday	9.00 – 9.40 am	NCE17ME001	Dr.George Job.K Prof & Head / ME	Dr.S. Sankar Prof / ME	Mr.Manuraj AP / AUE	1.Mr.Rahul Rajan AP / ME  2.Lt.Sanoj AP / ME
	9.45 – 10.25 am	NCE17ME002				
	10.30 – 11.10 am	NCE17ME003				
	11.15 – 11.55 am	NCE17ME004				
	12.00 – 12.40 am	NCE17ME005				
	1.15 – 1.55 pm	NCE17ME006				
	2.00 – 2.40 pm	NCE17ME007				
	2.45 – 3.25 pm	NCE17ME008				
	3.30 – 4.10 pm	NCE17ME009				

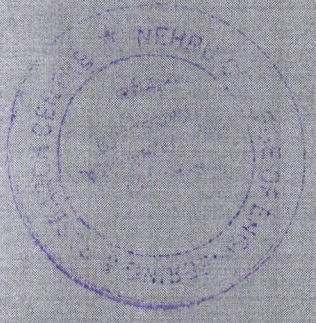


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Day 2 (15.07.21) Thursday	9.00 – 9.40 am	NCE17ME010	Dr.George Job.K Prof & Head/ ME	Dr.S. Sankar Prof / ME	Mr.Manuraj AP / AUE	1.Mr.Rahul Rajan AP / ME 2.Lt.Sanoj AP / ME
	9.45 – 10.25 am	NCE17ME011				
	10.30 – 11.10 am	NCE17ME012				
	11.15 – 11.55 am	NCE17ME013				
	12.00 – 12.40 am	NCE17ME014				
	1.15 – 1.55 pm	NCE17ME015				
	2.00 – 2.40 pm	NCE17ME017				
	2.45 – 3.25 pm	NCE17ME018				
	3.30 – 4.10 pm	NCE17ME019				
Day 3 (16.07.21) Friday	9.00 – 9.40 am	NCE17ME020				 <b>PRINCIPAL</b> Nohru College of Engineering and Research Centre Panipady Thiruvananthapuram, Kerala Pin 580 597 Kerala
	9.45 – 10.25 am	NCE17ME022				
	10.30 – 11.10 am	NCE17ME023				
	11.15 – 11.55 am	NCE17ME025				
	12.00 – 12.40 am	LNCE17ME026				
	1.15 – 1.55 pm	LNCE17ME027				
	2.00 – 2.40 pm	MEC17ME027				
2.45 – 3.25 pm	NCE16ME095					

	3.30 - 4.10 pm	NCE16ME018			
	9.00 - 9.40 am	NCE16ME028			
	9.45 - 10.25 am	NCE16ME034			
	10.30 - 11.10 am	NCE16ME041			
	11.15 - 11.55 am	NCE16ME061			
	12.00 - 12.40 am	NCE16ME085			
	1.15 - 1.55 pm	NCE16ME016			
			Dr. George Job.K Prof & Head / ME	Dr. S. Sankar Prof / ME	Mr. Manuraj AP / AUE
					1. Mr. Rahul Rajjan AP / ME
					2. J. Sanuj AP / ME
Day 4 (17.07.21)					
Saturday					

*A. V. Sankar*  
COORDINATOR



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at P.O. Thiruvananthapuram, Thiruvananthapuram  
Kerala

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# APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

CET campus, Thiruvananthapuram - 695 016  
Ph: 0471 2598122; Fax: 2598522 [www.ktu.edu.in](http://www.ktu.edu.in) Email: [university@ktu.edu.in](mailto:university@ktu.edu.in)

No. KTU/DIRECTOR(ACADEMIC)/1379/2019

Thiruvananthapuram  
Thiruvananthapuram  
Dated: 06.03.2019

## CIRCULAR

Sub:- B.Tech Project Evaluation -reg

Ref :- \_\_\_\_\_

### Evaluation scheme of the B.Tech Project of Eighth semester

- i) Total marks: 100
- ii) Two progress assessments: by the faculty supervisor/s, 10 marks each, total 20 marks. This mark should be uploaded along with internal marks of other courses. The project coordinator of the department has to be mapped in the portal for this purpose.
- iii) Final Project Report: 30 marks, to be awarded by the Assessment board on the day of evaluation.
- iv) Project presentation and Viva: 50 marks to be awarded by the Assessment Board
- v) The above marks (total 80) awarded by the assessment board should be uploaded immediately after the evaluation by the project coordinator and should be published in the notice board.
- vi) If the project work is not completed satisfactorily, the student has to put in more work and appear again for an assessment on a specified date, not earlier than one month after the first evaluation.
- vii) Separate minimum is not insisted for a pass, but the student should earn minimum 45 out of 100 marks, else F (Failed) grade will be awarded.
- viii) If the student fails in the project, a fresh registration for the project for one semester is mandatory.
- ix) The exam fee of Rs.400/- collected for project can be kept in the college and be utilized for payment of honorarium and TA/DA to external experts.

The project assessment board shall consist of the following members:

Chairman  
Members

Head of the Department  
Project supervisor/s of the student  
One faculty member from the Department

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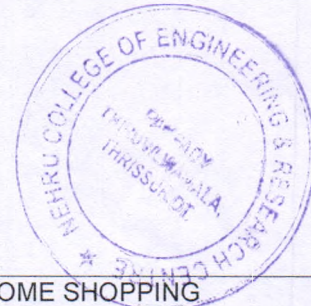


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**Department of MCA  
FIFTH SEMESTER  
MINI PROJECT LIST  
2018-2021 BATCH**

Group No	Reg No	Students	Project Titles
1	LNCE18MCA006 LNCE18MCA008 LNCE18MCA010 LNCE18MCA007 NCE18MCA001 LNCE18MCA025 LNCE18MCA029 LNCE18MCA032 NCE18MCA004 NCE18MCA005	ABHILASH P ANJALI P ANJU P ANASWARA V LIJI V NAZNI MARWA RESHMI MOHAN RUKSANA B SREELAKSHMIMYAYA TK SREESHMA C	FACE RECOGNITION SYSTEM
2	LNCE18MCA014 LNCE18MCA009 LNCE18MCA013 LNCE18MCA018 LNCE18MCA019 LNCE18MCA024 LNCE18MCA030 LNCE18MCA035 NCE18MCA002	ARYADAS S ANJALI V ARUN P DHANEESHA D DIMPLE WILSON NAYANA P SOMAN REVATHY C P SARITHA V S SAWPARNIKA P	EYE OPENER FOR BLIND PEOPLE
3	LNCE18MCA027 LNCE18MCA012 LNCE18MCA022 LNCE18MCA020 LNCE18MCA016 LNCE18MCA026 LNCE18MCA034 LNCE18MCA028 LNCE18MCA037 LNCE18MCA039	RAGHI P ANUPAMA V ASWATHY K GREESHMA R LIDIYA C PAISY SHAJAN RAHUL K SAHLA THAHSEEN SREEJA A SREYA BALAKRISHNAN	HOME SHOPPING
4	LNCE18MCA033 LNCE18MCA011 LNCE18MCA015	SACHIN K M ANUJA K J ASHLY GEORGE ASWATHY K S	STUDENT FEEDBACK SYSTEM



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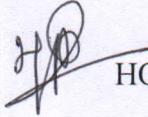
**PRINCIPAL**  
Nehru College of  
Engineering and Research Cen  
Thiruvithwamala, Thrissur  
Pin - 680 597 - Kerala

**Head of the Department**  
**Department of Computer Application**  
**NCERC, Thiruvithwamala- 680588**

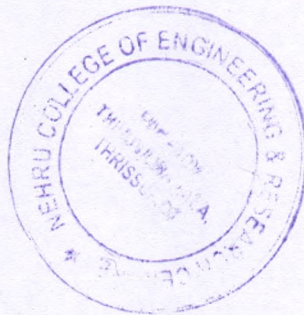
*[Signature]*

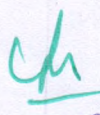
LNCE18MCA017	KARTHIKA M	
LNCE18MCA023	NAMITHA P R	
LNCE18MCA021	REVATHY H	
LNCE18MCA031	SOFIYA S	
LNCE18MCA038	SOORYA V	
NCE18MCA003	SWATHY A C	
LNCE18MCA039		

Class Tutor

 HOD

**Head of the Department**  
**Department of Computer Application**  
**NCERC, Thiruvithwamala- 680588**



  
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 Thiruvithwamala, Thrissur




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(Approved by AICTE, Affiliated to APJ Abdul Kalam Technological University, Kerala)



**Department of MCA**  
**FIFTH SEMESTER**  
**MINI PROJECT LIST**  
**2017-2020 BATCH**

Group No	Reg No	Students	Project Titles
1	LNCE17MCA001 LNCE17MCA009 LNCE17MCA0017 LNCE17MCA019	Aiswarya Gopalakrishnan E Anjali K Jayalakshmi J Jincy V K	LAWYERS CONNECT
2	LNCE17MCA011 LNCE17MCA012 LNCE17MCA022 LNCE17MCA031	Arathi R ArdraKrishnan K G Keerthy Rajan K Swathy N Nambiar	EMERGENCY SERVICE SYSTEM
3	LNCE17MCA018 LNCE17MCA020 LNCE17MCA026 LNCE17MCA028	Jiji Sasidharan Jisha K Reshma K Shameena S	BUS TRACKING SYSTEM
4	LNCE17MCA010 LNCE17MCA015 LNCE17MCA016 NCE17MCA004	Anoosha V Azed Ali M T Greeshma K P Surabhi K S	JOB pORTAL
5	NCE17MCA001 NCE17MCA002 NCE17MCA003 NCE17MCA005	Aiswarya P U Aswathy V P Sreelakshmi U Vidya K T	CANDIADTE SKILL EVALUATION & FILTERATION SYSTEM
6	LNCE17MCA007 LNCE17MCA008 LNCE17MCA024 LNCE17MCA029	Amitha S Anil M N N Seena Sona K Raju	KERALA LOTTERY
7	LNCE17MCA014 LNCE17MCA021 LNCE17MCA025 LNCE17MCA030	Aswathy C J Jishna Unni V Rahul Johnson Sreelekha T K	KRISHIKOOTU
8	LNCE17MCA013 LNCE17MCA023 LNCE17MCA027 LNCE17MCA032	Arun K S Malavika Gangadharan Revathy Krishnankutty Yadhukrishna C U	ONLINE CAR RENTAL SYSTEM

Class Tutor 

HOD 

**Head of the Department**  
**Department of Computer Application**  
**NCERC, Thiruvilwamala- 680588**

Internship details.  
2020 - 21



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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year (10)

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Year of collaboration	DATE	Duration	Nature of the activity	Link to the relevant document
1	Cyber Security and Ethical Hacking	TORC INFOTECH	ARATHY CHANDRABOSE	2020	19/8/20-23/8/20	5 DAYS	INTERNSHIP	
2	Cyber Security and Ethical Hacking	TORC INFOTECH	ARYA R	2020	19/8/20-23/8/20	5 DAYS	INTERNSHIP	
3	Cyber Security and Ethical Hacking	TORC INFOTECH	ASWATHY CHANDRABOSE	2020	19/8/20-23/8/20	5 DAYS	INTERNSHIP	
4	Cyber Security and Ethical Hacking	TORC INFOTECH	AHIRA CHANDRABOSE	2020	19/8/20-23/8/20	5 DAYS	INTERNSHIP	
5	Cyber Security and Ethical Hacking	TORC INFOTECH	DURGA RAGHU K	2020	19/8/20-23/8/20	5 DAYS	INTERNSHIP	
6	Cyber Security and Ethical Hacking	TORC INFOTECH	MALAVIKA V	2020	19/8/20-23/8/20	5 DAYS	INTERNSHIP	
7	Cyber Security and Ethical Hacking	TORC INFOTECH	MANASA K S	2020	19/8/20-23/8/20	5 DAYS	INTERNSHIP	
8	Cyber Security and Ethical Hacking	TORC INFOTECH	MONISHA G NAIR	2020	19/8/20-23/8/20	5 DAYS	INTERNSHIP	
9	Cyber Security and Ethical Hacking	TORC INFOTECH	SANDRA NP	2021	19/8/20-23/8/20	6 DAYS	INTERNSHIP	
10	Cyber Security and Ethical Hacking	TORC INFOTECH	VISHNI PRIYA R	2022	19/8/20-23/8/20	7 DAYS	INTERNSHIP	

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KERALA

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11	Python	Goldmine Global Delivery Services	THEJUS K J	2020-21	12/04/2021-18/12/21	7 DAYS	INTERNSHIP	
12	Python	Goldmine Global Delivery Services	THIRISHAI	2020-21	12/04/2021-18/12/21	7 DAYS	INTERNSHIP	
13	Cyber Security and Ethical Hacking	IDRC INFOTECH	AKSHAYA S	2020-21	19/8/20-23/8/20	5 DAYS	INTERNSHIP	

Dr. H. G.

## CERTIFICATE

This is to certify that

**SANDRA N P**

student of

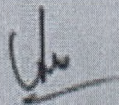
Nehru College of Engineering & Research Centre Thrissur

has successfully completed 5 days online internship training in  
Cyber Security and Ethical Hacking

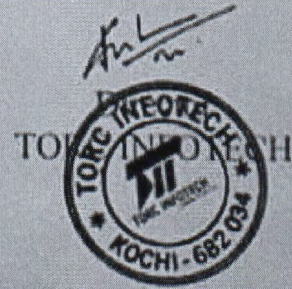
during August 19 - 23, 2020 at TORC INFOTECH, Kochi. During this intern period, we found him/her a punctual, hardworking, dedicated student with a professional attitude and very good professional knowledge.

We wish you every success in all future endeavours.

Date : 24 AUGUST 2020



PRINCIPAL  
Nehru College of  
Engineering and Research Centre  
Dangadla, Chittoor, Andhra Pradesh, India - 522 201  
Ph: +91 944 227 2222



## CERTIFICATE

This is to certify that

**Vishnupriya R**

student of

**Nehru College of Engineering & Research Centre Thrissur**

has successfully completed 5 days online internship training in  
**Cyber Security and Ethical Hacking**

during August 19 - 23, 2020 at TORC INFOTECH, Kochi. During this intern period, we found him/her a punctual, hardworking, dedicated student with a professional attitude and very good professional knowledge.

We wish you every success in all future endeavours.

Date : 24 AUGUST 2020



*U*  
PRINCIPAL  
Nehru College of  
Engineering and Research Centre  
Pattanam, Thrissur District, Kerala  
Pin - 682 034, Kochi



## CERTIFICATE

This is to certify that

**Malavika V**

student of

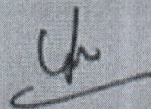
Nehru College of Engineering & Research Centre Thrissur

has successfully completed 5 days online internship training in  
Cyber Security and Ethical Hacking

during August 19 - 23, 2020 at TORC INFOTECH, Kochi. During this intern period, we found him/her a punctual, hardworking, dedicated student with a professional attitude and very good professional knowledge.

We wish you every success in all future endeavours.

Date : 24 AUGUST 2020



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Engineering and Research Centre  
Thrissur



SCHOOL OF MANAGEMENT									
NILA GARDENS, PAMPADY, THRISSUR - 680588									
T4 INTERNSHIP 2019-21 BATCH									
Final Presentation Dates&Marks									
Name	GUIDE NAME	Company Name	Date of Presentation	Guide marks(50)	Directors marks(25)	Project Coordinat or marks(25)	Total(100)	ut of 60	
AISWARYA S	Mr Sijo Joseph	Associate Professor	Nestle	28/6/21	38	17	16	71	43
BINITHA K B	Mr Hameem	Professor	Uniliver	28/6/21	38	17	18	73	44
DEEPIKA P	Ms Ananthi KK	Assistant Professor	Hindustan Motors	28/6/21	30	12	14	56	34
HARITHA HARI K	Mr Sreeranj Menon T	Professor	Malabar Cement	29/6/21	43	19	18	80	48
JOVITTA JAMES	MsK.R.Chandrakala	Senior Assistant Professor	Cocacola	29/6/21	30	14	18	62	37
K G GREEJITH	Mr Sreeranj Menon T	Professor	Adidas	29/6/21	32	12	14	58	35
M K DEV KRISHNAN	Mr Sreeranj Menon T	Professor	Infosys	30/6/21	38	12	13	63	38
NEETHU GOPINATH	Ms Ananthi KK	Assistant Professor	Milma	30/6/21	35	18	18	71	43
NIMISHA K	Ms Ananthi KK	Assistant Professor	ITC	30/6/21	38	20	19	77	46
PRANAVIND K	Mr Sijo Joseph	Associate Professor	Air India	1/7/2021	38	12	14	64	38
RABISHA KRISHNA R	Mr Sijo Joseph	Associate Professor	P & G	1/7/2021	39	18	17	74	44
RAHUL R	Mr Alex K	Assistant Professor	Mphasis	1/7/2021	30	11	13	54	32
RESHMI N	Mr Alex K	Assistant Professor	Milma	2/7/2021	36	18	17	71	43
REVATHI V	Mr Hameem	Professor	Johnson&Johnson	2/7/2021	40	21	20	81	49
SREELAKSHMI P K	MsK.R.Chandrakala	Senior Assistant Professor	Reliance	2/7/2021	38	21	20	79	47
SRUTHI U	MsK.R.Chandrakala	Senior Assistant Professor	Star Bucks	3/7/2021	32	17	18	67	40
SRUTHI S NAIR	Mr Sreeranj Menon T	Professor	Mahindra&Mahindra	3/7/2021	43	20	19	82	49
SUBI S	Mr Alex K	Assistant Professor	Marico Ltd	3/7/2021	38	17	16	71	43
SURYA M	Ms Ananthi KK	Assistant Professor	Amul	5/7/2021	32	17	16	65	39
SWETHA T	MsK.R.Chandrakala	Senior Assistant Professor	Pepsico	5/7/2021	33	18	18	69	41
THUSHARA P	Mr Alex K	Assistant Professor	Maruthi Suzuki	5/7/2021	34	15	12	61	37
VISHNU PRASAD A	Mr Sijo Joseph	Associate Professor	Tata Motors Limited	5/7/2021	38	20	19	77	46

ev.



Dr. Sheela Srivastava  
 Director - School of Management  
 Nehru College of Engineering & Research Centre  
 Nila Garden, Pampady, Thiruvilwamala  
 Thiruvananthapuram Dist, Kerala. Pin - 680 588

Principal  
 Nehru College of  
 Engineering and Research Centre  
 Pampady, Thiruvilwamala, Thiruvananthapuram  
 Pin - 680 587 Kerala



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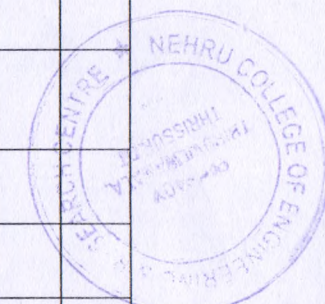
SCHOOL OF MANAGEMENT

NILA GARDEN, PAMPADY, THIRUVILWAMALA, PIN - 680588

T4 INTERNSHIP 2019-21 BATCH

No	Student ID	Name	GUIDE NAME	Title	
1	NCE19MBA01	AISWARYA S	Mr Sijo Joseph	Associate Professor	An Organisational Study onNestle
2	NCE19MBA03	BINITHA K B	DrSheela Srivastava	Professor	An Organisational Study on Uniliver
3	NCE19MBA04	DEEPIKA P	Ms Ananthi KK	Assistant Professor	An Organisational Study onHindustan Motors
4	NCE19MBA06	HARITHA HARI K	DR KVS Raj	Professor	An Organisational Study onMalabar Cement
5	NCE19MBA07	JOVITTA JAMES	MsK.R.Chandrakala	Senior Assistant Profess	An Organisational Study onCocacola
6	NCE19MBA08	K G GREEJITH	DR KVS Raj	Professor	An Organisational Study onAdidas
7	NCE19MBA09	M K DEV KRISHNAN	DR KVS Raj	Professor	An Organisational Study onInfosys
8	NCE19MBA10	NEETHU GOPINATH	Ms Ananthi KK	Assistant Professor	An Organisational Study onMilma
9	NCE19MBA11	NIMISHA K	Ms Ananthi KK	Assistant Professor	An Organisational Study on ITC
10	NCE19MBA12	PRANAVIND K	Mr Sijo Joseph	Associate Professor	An Organisational Study on Air India
11	NCE19MBA13	RABISHA KRISHNA R	Mr Sijo Joseph	Associate Professor	An Organisational Study on P & G

4  
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Pin - 680 597 Kerala



*Sheela*

Dr. Sheela Srivastava  
Director - School of Management  
Nehru College of Engineering & Research Centre  
Nila Garden, Pampady, Thiruvilwamala  
Thrissur Dist., Kerala, Pin - 680 588

Seminars

2020-21

## NEHRU COLLEGE OF ENGINEERING &amp; RESEARCH

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2020-21 ACADEMIC YEAR

CS451: SEMINAR DETAILS

GROUP NO:	GROUP MEMBERS		TITLE	SUPERVISOR
	REG. NO.	NAME		
1	NCE17CS001	ADITH S	Neural Sensing headset and health care system	Silja Varghese
	NCE17CS004	AKARSH K MURTHY	The Dark Web	
	NCE17CS020	ROHIT BHASKAR UDAY	Quantum Computers	
	NCE17CS029	VISHNU H	5G Technology Future Generation	
2	NCE17CS002	AFSEENA A	Effective heart diseases prediction using hybrid machine learning techniques	Vipin K m
	NCE17CS006	AMRUTHA R	Architecture of the Kubernetes container management system	
	NCE17CS009	ANUPAMA V S	Life cycle infrastructure management system for smart cities- A narrow band IOT based platform	
	NCE17CS021	SAHLA K	Blind authentication- A secure crypto biometric verification protocol	
3	NCE17CS003	AISWARYA M	Sec-Lib: Protecting scholarly digital libraries from infected papers	Sruthy MR / Dr.U.Vijay Sankar
	NCE17CS010	C SILPA	Deep learning for medical imaging and healthcare	
	NCE17CS012	DEVIKA S NAIR	Mind reading System	
	NCE16CS095	RESHMA VIJAYAKUMAR	Application of an artificial neural network in the diagnosis of chronic lymphocytic leukemia	
4	NCE17CS005	AKSHAY SANKER M	Efficient power saving of electrical devices by using image processing	Shiji S
	NCE17CS015	GOUTHAM GOPINATH	Cyber security- Cyber threats	
	NCE17CS022	SANMAYANAND KRISHNA A H	Navigation by Artificial Intelligence	
	NCE16CS112	SURJITH SHANKER S	Android applications UI development intelligent tutoring system	
5	NCE17CS011	DEEPIKA R	An efficient hand gesture recognition system	Biji K P / Nisha A K
	NCE17CS014	FATHIMA NASREEN K H	Support vector machines in data mining	
	NCE17CS017	LIKHA S	Shadow detection and removal in image processing	
	NCE17CS023	SHIBILA S	Design of smart led streetlight system for smart city with web based management system	
6	NCE17CS013	DIVYA P	Detection of plant diseases by leaf image using conventional neural network	Baby V
	NCE17CS016	LEENU MATHEW	Automated domestic waste segregator using image processing	
	NCE17CS024	SHINU	Underwater image processing for object detection	
	NCE17CS025	SILPA M S	Cyber threat detection based on artificial neural networks	
7	NCE17CS018	NISHANA N	Evaluating event credibility on Twitter	Divya Y / Arun K
	NCE17CS019	RISNA C M	Classification of APP review using convolutional neural network	
	NCE17CS027	S SUHAILA	Air Quality prediction and monitoring using machine learning	
8	NCE16CS001	ABHIJITH P U	Phishing Technology	Radhika K Manjusha / Archana A B
	NCE16CS073	MUHAMMAD NIYAS K K	Smart Energy Efficient Home Automation System Using IOT	
	NCE17CS028	VIPINDAS V R	An improved multilevel intrusion detection and log management system in cloud computing	
	NCE17CS030	VISHNU S	A personalized system for speech reconstruction using multi view visual feeds	
9	NCE16CS055	HIJAS IBRAHIM	Traffic prediction for intelligent transportation system using machine learning	Vysagh M
	NCE16CS075	NAVANEETH K	Security testing of active optical network devices	
	NCE16CS099	SHAFEEQ RAHMAN C P	Testing for security weakness of web application using ethical hacking	
	NCE16CS115	UMMER HASHIM	Application of machine learning to support self management of asthma with mhealth	

CO-ORDINATOR

PRINCIPAL  
Nehru College of  
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Pampady Thiruvilwamala, Thrissur Dt.  
Pin: 680 507 Kerala



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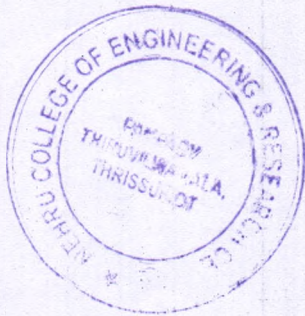
**Department of MCA  
Seminar Topics MCA (2018-2021 Batch)**

SL NO	REGISTER NUMBER	NAME	Topic
1	LNCE18MCA006	ABHILASH P	Psychology in UI/UX
2	LNCE18MCA007	ANASWARA V	M-Commerce
3	LNCE18MCA008	ANJALI P	Biometric ATM
4	LNCE18MCA009	ANJALI V	Security & Privacy in Social Networks
5	LNCE18MCA010	ANJU P	3D Doctor
6	LNCE18MCA011	ANUJA K J	Blue Brain
7	LNCE18MCA012	ANUPAMA V	Deep Web
8	LNCE18MCA013	ARUN P	Robotic Process Automation
9	LNCE18MCA014	ARYA DAS K	Smart dust bins in smart cities
10	LNCE18MCA015	ASHLY GEORGE	Gaming Playing in AI
11	LNCE18MCA016	ASWATHI K	Internet of Video things –next generation IOT with visual sensors
12	LNCE18MCA017	ASWATHI K S	Software Reuse
13	LNCE18MCA018	DHANEESHA P D	Ubiquitous networks
14	LNCE18MCA019	DIMPLE WILSON	Kubernets
15	LNCE18MCA020	GREESHMA R	Face biometric Anti spoofing
16	LNCE18MCA021	KARTHIKA M	Erasure Coding
17	LNCE18MCA022	LIDIYA C	DARQ Power
18	NCE18MCA001	LIJI V	Honey Pot
19	LNCE18MCA023	NAMITHA P R	Augmented Reality
20	LNCE18MCA024	NAYANA P SOMAN	Smart city technology for Covid -19
21	LNCE18MCA025	NAZNI MARWA S R	Neuromorphic computing
22	LNCE18MCA026	PAISY SHAJAN	Artificial Neural Networks
23	LNCE18MCA027	RAGHI P	Computer Clothing
24	LNCE18MCA028	RAHUL K	Sixth sense technology
25	LNCE18MCA029	RESHMI MOHAN	Cloud based health

Head of the Department  
Department of Computer Application  
NCERC, Thiruvilwamala- 680588

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680 597 Kerala

			care system
26	LNCE18MCA030	REVATHI C P	Scikit
27	LNCE18MCA031	REVATHI H	Animatronics
28	LNCE18MCA032	RUKSANA B	Block chain and crypto currency
29	LNCE18MCA033	SACHIN K M	AI for fake currency
30	LNCE18MCA034	SAHLA THAHSEEN	Smart Fabric
31	NCE18MCA002	SARITHA V S	AI for Misogyny on Twitter
32	LNCE18MCA035	SAWPARNIKA T R	3D Internet
33	LNCE18MCA036	SOFIYA S	Silent sound technology
34	NCE18MCA003	SOORYA V	Artificial intelligence in health care
35	LNCE18MCA037	SREEJA A	Survivable Network system
36	NCE18MCA004	SREELAKSHMI MAYA T K	6G and its future scope
37	NCE18MCA005	SREESHMA C	Human computer interface
38	LNCE18MCA038	SREYA BALAKRISHNAN	Ambient backscatter
39	LNCE18MCA039	SWATHI A C	C-oculus quest2



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Pin - 620 597 Kerala

*[Signature]* HOD MCA

**Head of the Department**  
**Department of Computer Applications**  
**NCERC, Thiruvithwamala-620597**



**NATIONAL SERVICE SCHEME (N.S.S)**

**APJKTU CELL UNIT NO: 209**

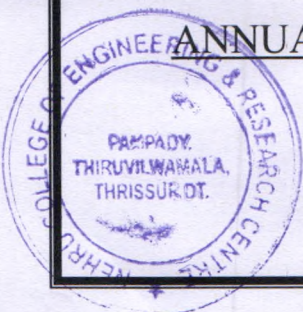


**NEHRU COLLEGE OF ENGINEERING AND RESEARCH  
CENTRE**

**PAMBADY, THRISSUR**

**APJKTU NSS CELL UNIT NO: 209**

**ANNUAL REPORT: 2020-2021**



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Pambady, Thiruvilwamala, Thrissur Dt.  
Pin 680 597 Kerala

**NATIONAL SERVICE SCHEME TECHNICAL CELL  
UNIT 209**



DIRECTORATE OF TECHNICAL EDUCATION, GOVT. OF KERALA  
NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE  
Pampady, Thiruvilwamala - 680 597  
(NAAC ACCREDITED)



**INDEX OF NSS PROGRAM REPORT FOR THE YEAR 2020-2021**

NSS UNIT 209			
SL. NO.	PROGRAMME NAME	DATE	PROGRAMME TYPE
1	PAINTING AND SWABING OF CHILD CARE CENTRE	01.03.2020	COMMUNITY
2	CONSTRUCTION OF WASTE DISPOSAL PIT	02.03.2020	COMMUNITY
3	CLEAN & GREEN PAMPADI	08.03.2020	COMMUNITY
4	WOMEN'S DAY	09.03.2020	CAMPUS
5	WOMENS DAY AWARENESS	10.03.2020	CAMPUS
6	ONLINE POSTER MAKING CONTEST	04.04.2020	CAMPUS
7	ENVIRONMENT DAY (planting saplings)	05.06.2020	COMMUNITY
8	YOGA DAY	21.06.2020	COMMUNITY
9	TV AND CABLE DISTRIBUTION-1-	24.06.2020	COMMUNITY
10	TV & CABLE DISTRIBUTION-2-	25.06.2020	COMMUNITY
11	ANTI DRUG DAY	26.06.2020	ORIENTATION
12	PLANT A TREE PLANT A HOPE CAMPAIGN (PLANNING)-	17.07.2020	CAMPUS
13	ROAD SAFETY AWARENESS WEBINAR-	19.07.2020	ORIENTATION
14	PLANT A TREE PLANT A HOPE CAMPAIGN -1-	31.07.2020	CAMPUS
15	INDEPENDENCE DAY	15.08.2020	CAMPUS
16	SWACHH BHARATH	20.08.2020	ORIENTATION
17	PLANT A TREE PLANT A HOPE CAMPAIGN -2-	28.08.2020	CAMPUS
18	TEACHERS DAY-	05.09.2020	ORIENTATION
19	ONAM KRISHI	07.09.2020	CAMPUS
20	ONAM PHOTOGRAPHY	07.09.2020	ORIENTATION
21	51 <sup>st</sup> NSS DAY	24.09.2020	ORIENTATION
22	PLANT A TREE PLANT A HOPE CAMPAIGN -3-	25.09.2020	CAMPUS
23	GANDHI JAYANTI	02.10.2020	ORIENTATION
24	PLANT A TREE PLANT A HOPE CAMPAIGN -4-	16.10.2020	ORIENTATION
25	NATIONAL UNITY DAY	31.10.2020	ORIENTATION
26	CHILDRENS DAY	14.11.2020	COMMUNITY
27	CLEAN AND GREEN CAMPAIGN	20.11.2020	COMMUNITY
28	GENERAL MEETING	21.11.2020	ORIENTATION
29	PLANT A TREE PLANT A HOPE CAMPAIGN 5-	27.11.2020	ORIENTATION
30	MY LOCKDOWN DIARIES	06.12.2020	COMMUNITY
31	PLANT A TREE PLANT A HOPE CAMPAIGN -6-	18.12.2020	ORIENTATION
32	THANAL BHALASRAMAM VISIT	25.12.2020	COMMUNITY
33	CRAFT FROM WASTE MATERIALS	30.12.2020	COMMUNITY
34	OPEN STREET MAPPING	02.01.2021	COMMUNITY
35	PRI -CAMP ORIENTATION	03.01.2021	ORIENTATION
36	GENERAL MEETING	17.01.2021	CAMPUS
37	GENERAL MEETING	26.01.2021	CAMPUS
38	REPUBLIC DAY	26.01.2021	CAMPUS
39	PLANT A TREE PLANT A HOPE CAMPAIGN -7	29.01.2021	ORIENTATION
40	MISHAAL-	30.01.2021	ORIENTATION
41	MAPAATHION GENERAL MEETING	26.02.2021	ORIENTATION
42	MOTHER TONGUE DAY	21.02.2021	CAMPUS
43	PLANT A TREE PLANT A HOPE CAMPAIGN -8-	26.02.2021	ORIENTATION
44	PLANT A TREE PLANT A HOPE CAMPAIGN -9-	26.03.2021	ORIENTATION
45	PLANT A TREE PLANT A HOPE CAMPAIGN -9-	27.04.2021	ORIENTATION
46	GENERAL MEETING	10.04.2021	CAMPUS



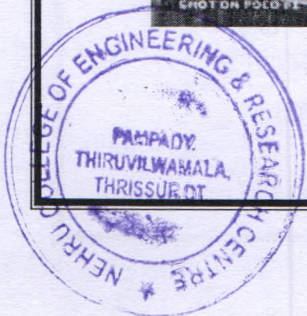
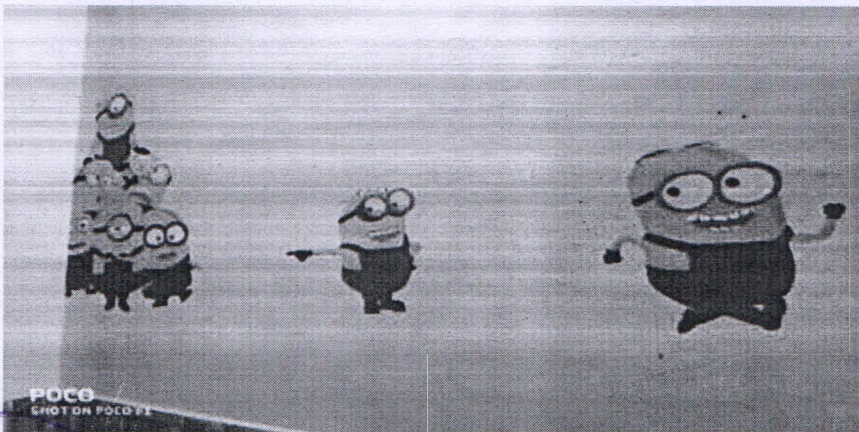
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# 1. PAINTING AND SWABING OF CHILD CARE CENTRE-

01-03-2020

The NSS KTU cell unit 209, resumed the Painting and Swabbing of Child Care Centre on 1st March 2020, which was accompanied by the cooperation of pazhayannur panchayat also, the Anganwadi was painted with cartoon characters, and the walls were cleansed every corner, making the whole room attractive and brighter for the children's



  
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## 2. CONSTRUCTION OF WASTE DISPOSAL PIT-

07-03-2020

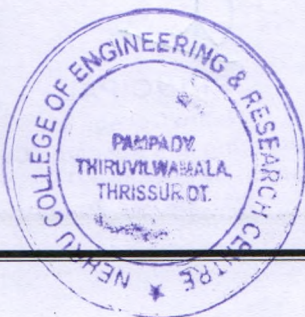
The Volunteers of NSS KTU Cell unit 209, N.C.E.R.C Constructed another small waste disposal pit, for the burning and dumping of biodegradable waste at their campsite, G.H.S.S Pazhayannur, revisiting their campsite on 7th March.



## 3. CLEAN & GREEN PAMPADI-

08-03-2020

The NSS Volunteers of KTU Cell Unit 209, NCERC conducted a cleaning program on pampadi centre started from near the pampadibridge to the pampadi centre. The Volunteers actively participated in the cleaning program since it was their adoptive village, the villagers praised the efforts of volunteers and helped in giving them drinking water and snacks.

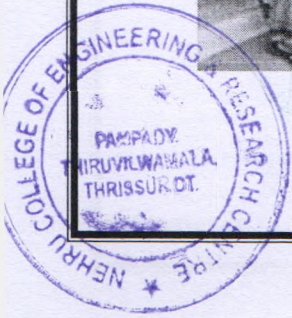
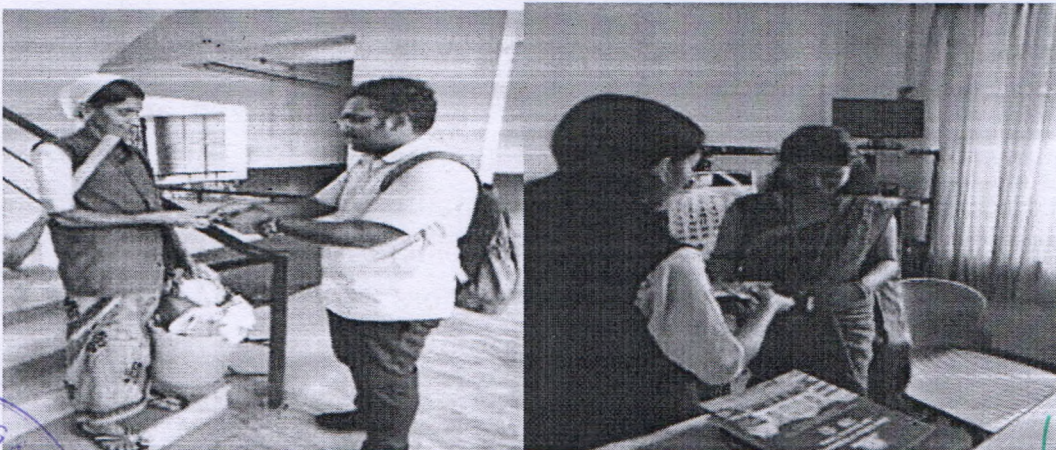




#### 4. WOMEN'S DAY-

09-03-2020

The NSS Volunteers of Unit 209 of NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE, celebrated woman's day on 9th of March, Monday, by providing a token of love and respect towards all the teaching and Non-teaching staff of our college, putting awareness posters and notices on women empowerment.



## 5. WOMENS DAY AWARENESS-

10-03-2020

The NSS KTU cell unit 209, NCERC had organized an orientation program on "Woman Empowerment" by Adv. Suchithra Madam, along with a story of her life experience from being a child to a parent, the change in perspective of the society towards woman throughout the years, and the challenges faced by every woman, the volunteers were inspired on listening to the speech

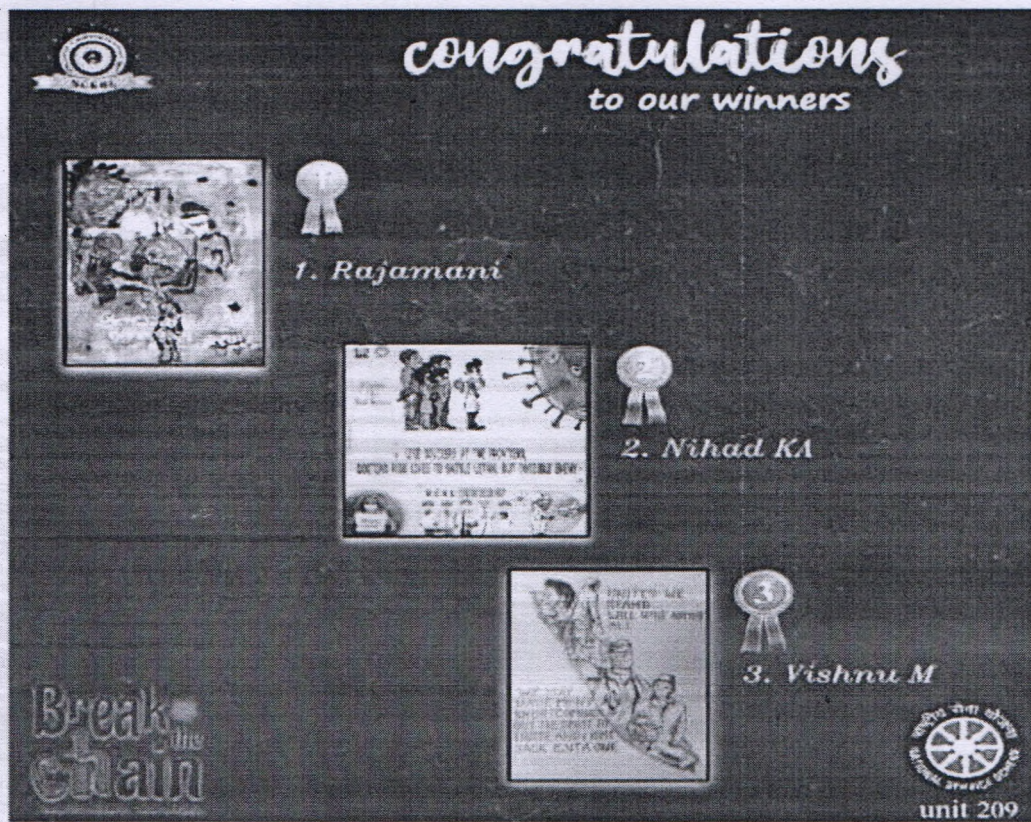


## 6. ONLINE POSTER MAKING CONTEST-

04-04-2020

The NSS volunteers of unit 209, NCERC had organized an online poster-making competition which was announced on 13-04-2020 on their official Instagram page. The participants were given a certain period of time to send their posters, the posters should be a token of "love and respect towards the real warriors who stood and fight against the pandemic COVID-19". The total prize of 21 GB data was gifted to the top 3 winners ranking 1st, 2nd, and 3rd based on the maximum support of viewers and the judgment panel.

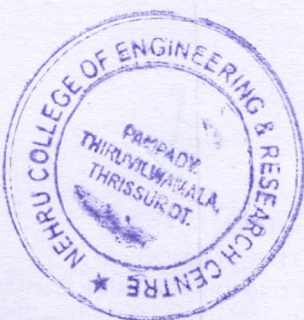




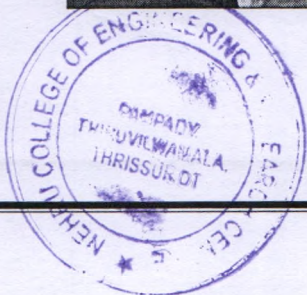
**7. ENVIRONMENT DAY (planting saplings)-**

**05-06-2020**

The NSS Volunteers of Unit 209, celebrated Environment day on the 5th of June, by planting saplings on their surrounding areas as providing a protective layer on our mother earth, putting awareness posters and notices on environment protection.



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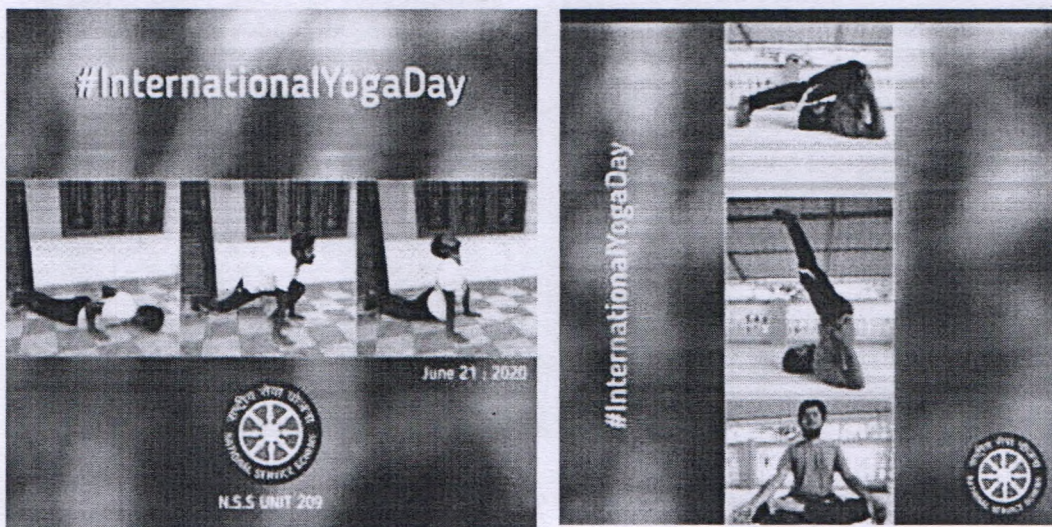


  
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## 8. YOGA DAY-

21-06-2020

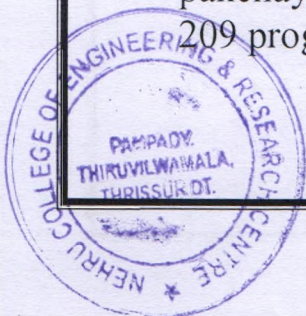
Volunteers of nss unit: 209 of nehru college of engineering and research centre has participated in a yoga campaign conducted by nss unit 209 with ncerc and performed various postures in yoga and awareness about the good sides that we can have by performing yoga were explained to the volunteers by the volunteer secretaries



## 9. TV AND CABLE DISTRIBUTION-1-

24-06-2020

NSS UNIT 209 of NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE Pampadi has initiated a process to provide a facility to study to the students in the area of Kilinikadavu and Neernamukku, during the corona crisis they were not able to access the online mode of education For that our volunteers joined and raise a fund to make them capable for this and provided them with a television and a TATA SKY dish connection so they can come to the child care centre at there reserved time slots of there class. The program was inaugurated by the pazhayannur panchayath president Sri. Shobhana Rajan and the ward members of the pazhayannur panchayath were present television was handed over by NSS UINT 209 program officer Sri Rakesh.p.r



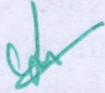


## 10. TV & CABLE DISTRIBUTION-2-

25-06-2020

The volunteers of NSS UNIT 209 of NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE raised fund and provided tv and cable connection to a student of pazhayannur ghss in corona situation the television was handed over by program officer sri. Rakesh.p.r in the presence of former volunteer secretary sanjay babu



  
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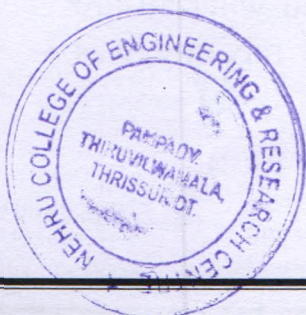
## 11. ANTI DRUG DAY-

26-06-2020

As part of the AntiDrug Day, celebrated every year on June 26th, NSS Technical Cell Unit 209, N.C.E.R.C had conducted an orientation session. The session was handled by Mr. Latheef Sir (Excise inspector, Pazhayannur). Due to covid restrictions, the programme was scheduled on the online platform (Google Meet).

Outcome: NSS Volunteers became more aware of the aftereffects of drug consumption.

Highlights: Mr Latheef Sir presented a seminar that clearly depicts the ill effects of drug consumption.



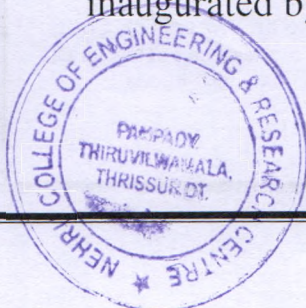



## 12. PLANT A TREE PLANT A HOPE CAMPAIGN (PLANNING)-

17-07-2020

Volunteers of NSS UNIT:209 of NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE come up with an idea of starting a campaign to reduce the environmental issues along with planting useful plants that mainly consist of trees which provide consumable fruits and have considerably more lifespan and oxygen producing capacity as a part of it they conducted a basic general meeting to discuss

About this campaign and to observe a single day in every month as planting day and to have a debate like interactive section related to some subjects that affect the quality of environment and what all are the major steps should be taken to reduce them. The meeting was inaugurated by program officer mr.Rakesh.p.r



  
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AND RESEARCH CENTRE  
NSS UNIT:209



*plant a tree...*  
*plant a hope...*

## ENVIRONMENT PROTECTION CAMPAIGN

**SCHEDULE FOR :17-07-2020**

PLANTING TIME:- 9:00 AM - 10:00 AM

MEETING TIME:- 10:30 AM - 1:00PM

**LINK FOR MEETING:**

<https://meet.google.com/prh-idib-obs>

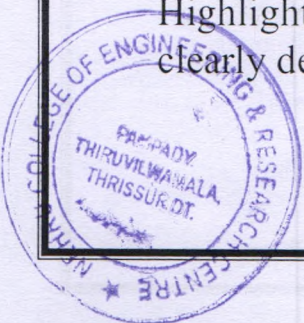
### **13.ROAD SAFETY AWARENESS WEBINAR-**

**19-07-2020**

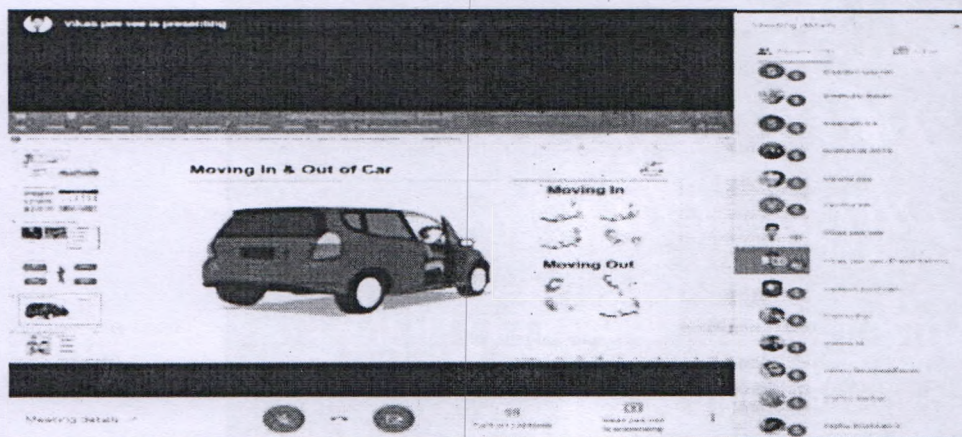
On July 19, the volunteers of NSS Technical cell unit 209, N. C. E. R. C had conducted an awareness webinar on road safety. The session was handled by Mr. Vikas Sir who is the Safety training in charge (TN&Kerala). The program was scheduled on an online platform due to the COVID-19 restrictions.

Outcome: Volunteers became aware of the rules to be followed on the road, drunken driving, and the correct use of vehicle controls.

Highlights: Mr. Vikas Sir had presented a 90 minutes webinar which clearly depicts the safe riding techniques from which the volunteers of



NSS Unit 209, N. C. E. R. C came to know more about driving in difficult conditions also.

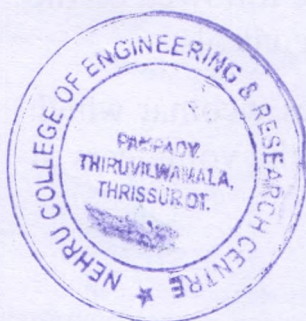



#### 14. PLANT A TREE PLANT A HOPE CAMPAIGN -1- 31/07/2020

Volunteers of nss unit:209 of nehru college of engineering and research centre has initiated a campaign on planting sapling in every month they observed a day in every month as environment protection day and the volunteers along with their family and neighbours planted sapling on that day and a meeting will be conducted in morning session to evaluate the environment related activities of the unit and they discussed what all things has to be included to increase the quality of the environment by them. The first step was conducted on 31/07/2020 the inaugural function was conducted on 17/07/2020

9:00am - 10:00am planting time

10:30am - 1:00pm online meeting

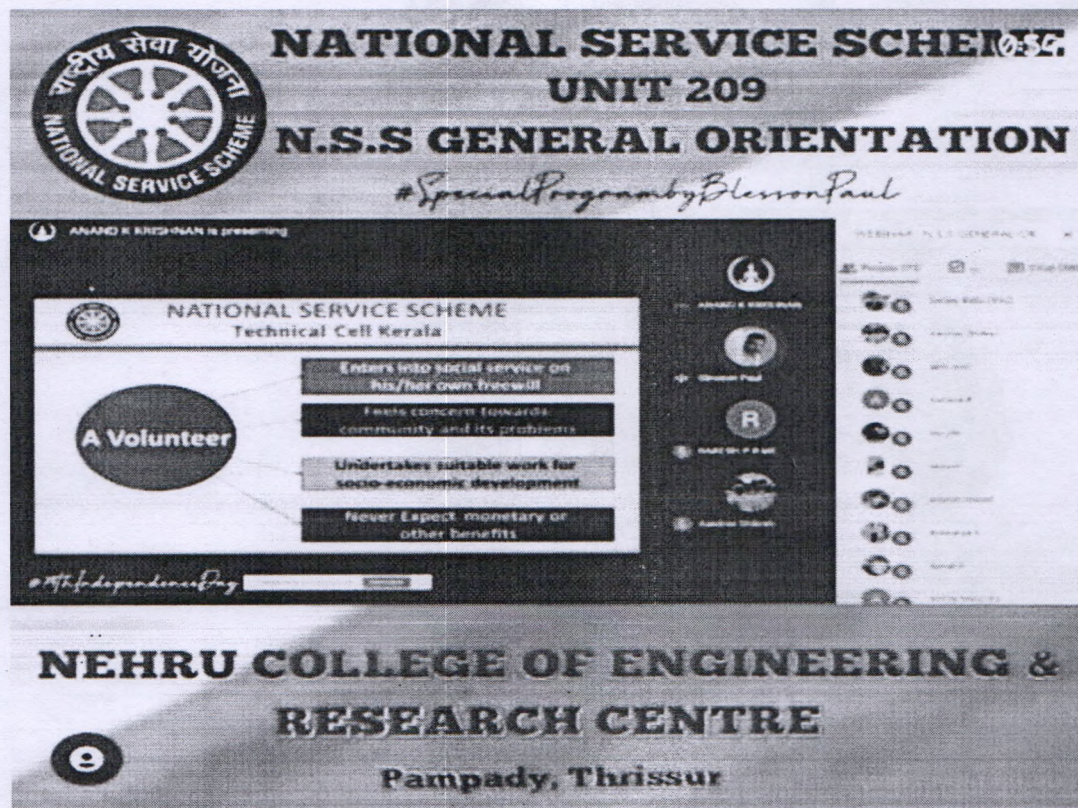


  
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was scheduled online due to the wide-spreading COVID-19 pandemic.

Outcome: The self-introduction session helped in the personality development of the N. S. S Volunteers. Volunteers became more historically aware of the National Service Scheme.

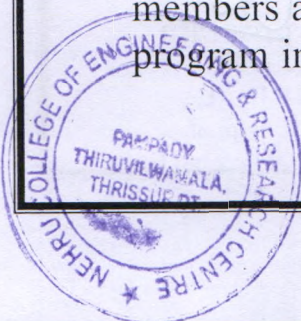
Highlights: Volunteers of N. S. S Unit 209, N. C. E. R. C came to know more about online volunteering options and platforms with the help of Mr. Blesson Paul Sir.



## 16. SWACHH BHARATH-

20-08-2020

NSS volunteers of NSS unit 209 of nehru COLLEGE OF ENGINEERING AND RESEARCH CENTRE has initiated a campaign to educate about the swachh bharat program to there family members and there friends as a part of this they have done a cleaning program in there surroundings and conveyed the views to there famil



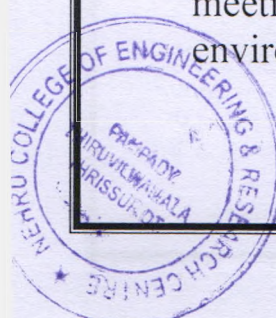
members due to the critical conditions of covid-19 the program was done within there nearby surroundings and safe zone.



### 17. PLANT A TREE PLANT A HOPE CAMPAIGN -2-

28-08-2020

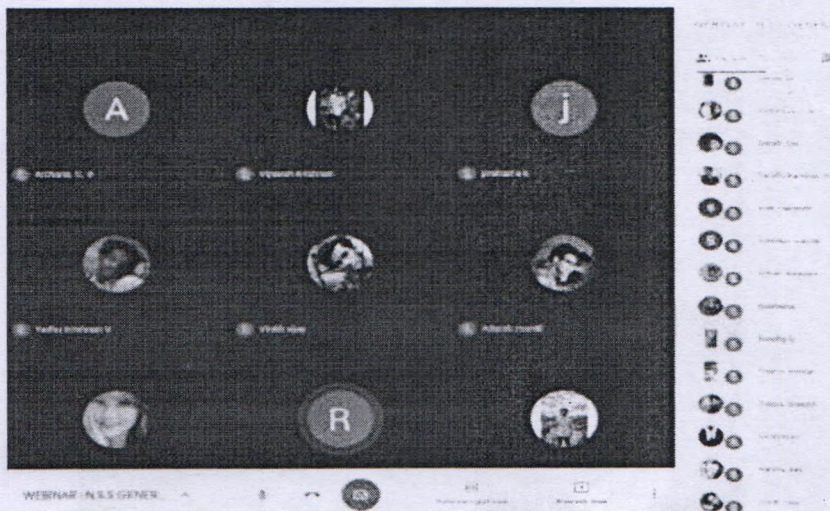
Volunteers of NSS UNIT:209 of NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE has initiated a campaign on planting sapling in every month they observed a day in every month as environment protection day and the volunteers along with there family and neighbours planted sapling on that day and a meeting will be conducted in morning section to evaluate the environment-related activities of the unit and they discussed what are



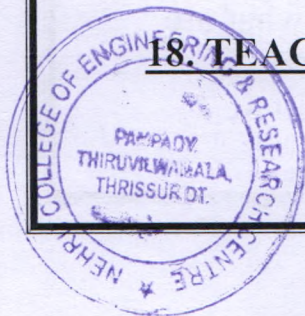
all things has to be included to increase the quality of the environment by them. The second step was conducted on 28/08/2020 the inaugural function was conducted on 17/07/2020

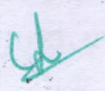
9:00am - 10:00am planting time

10:30am - 1:00pm online meeting



18. TEACHERS DAY-



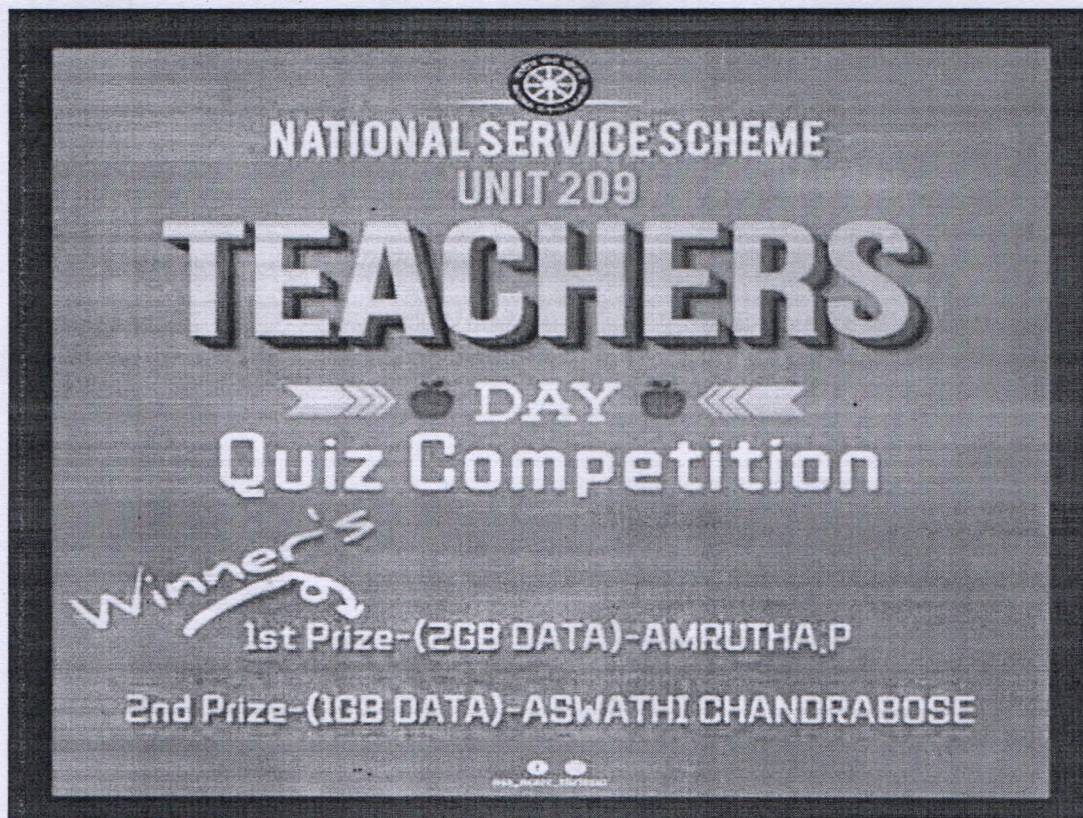
  
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05-09-2020

As part of Teacher's Day, celebrated every year on 5th September, NSS unit 209 had conducted a quiz competition. It was conducted online due to the current COVID-19 situation. The intention of the program was for making the volunteers more informative about Teachers Day.

Outcome: NSS volunteers got a chance to gain more knowledge about the teacher's day celebration & its importance.

Highlights: The prizes were given to those who had secured the 1st & 2nd positions.

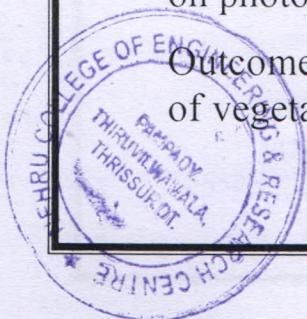


19. ONAM KRISHI-

07-09-2020

As part of Onam celebrations, NSS technical cell unit 209 had conducted a special program named 'ONAKRISHI' which was based on photographing the vegetable gardens of the volunteers.

Outcome: N. S. S. Volunteers became more aware of the cultivation of vegetables in their own houses.



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Highlights: Volunteers had planted vegetables in their houses.



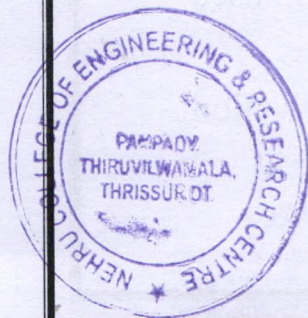
## 20. ONAM PHOTOGRAPHY-

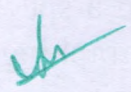
07-09-2020

As part of the Onam celebration, NSS technical cell unit 209 had conducted a special program named 'EE ONAM VEETILIRUNNONAM' which was based on photographing the Onam celebrations at home.

Outcome: Volunteers shared beautiful moments with their families.

Highlights: Onam was celebrated virtually.



  
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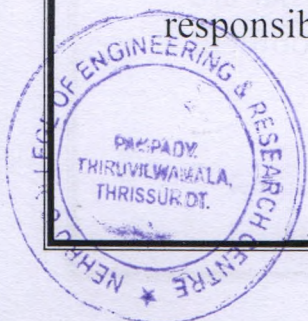



**21.51<sup>st</sup> NSS DAY-**

**24-09-2020**

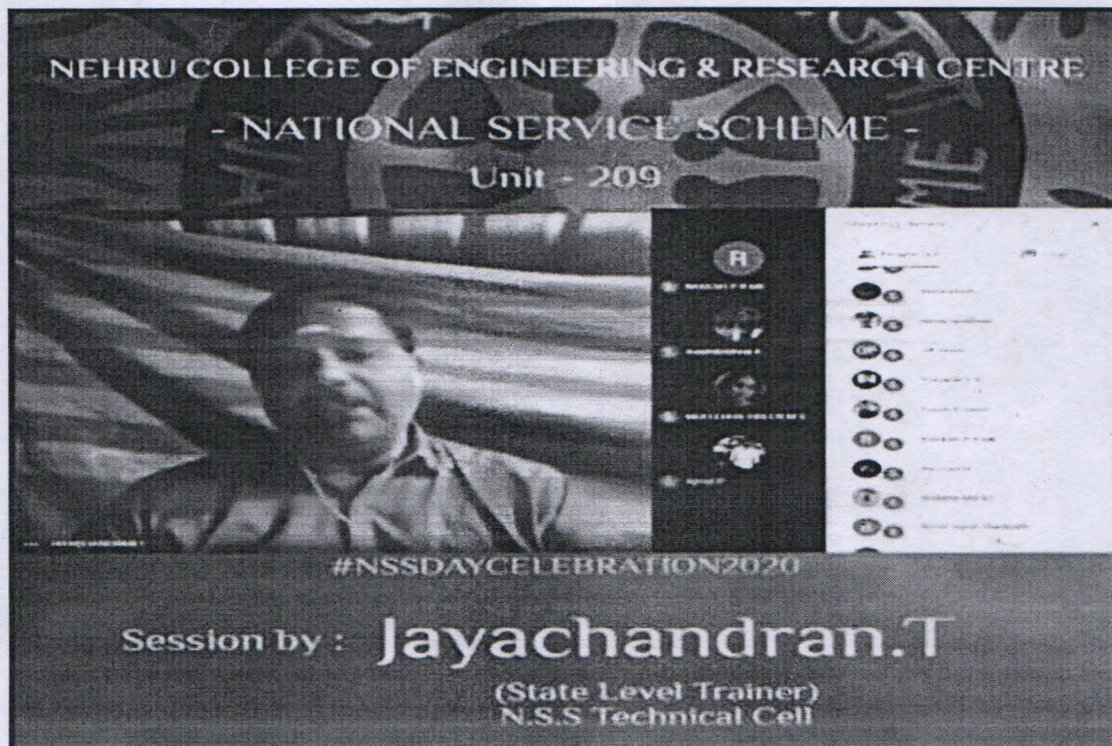
As part of the NSS Day, celebrated every year on September 24 th, NSS Technical Cell Unit 209, N. C. E. R. C had conducted a 'webinar on NSS'. The session was handled by Mr. Jayachandran. T Sir (Former State Level Trainer of NSS Technical Cell and Regional Coordinator of Social Service Scheme). Due to covid restrictions, the program was scheduled on an online platform (Google Meet).

Outcome: Volunteers became more aware of the motto, duties, and responsibilities of an NSS volunteer.



  
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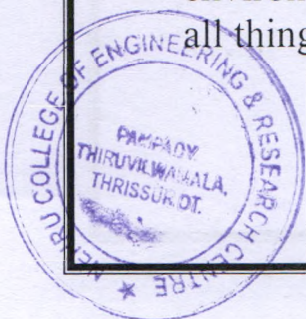
Highlights: Mr. Jayachandran Sir shared in detail his real-life experiences and incidents which motivated the volunteers for serving the society as an NSS volunteer. It was really encouraging for the volunteers.



## 22. PLANT A TREE PLANT A HOPE CAMPAIGN -3-

25-09-2020

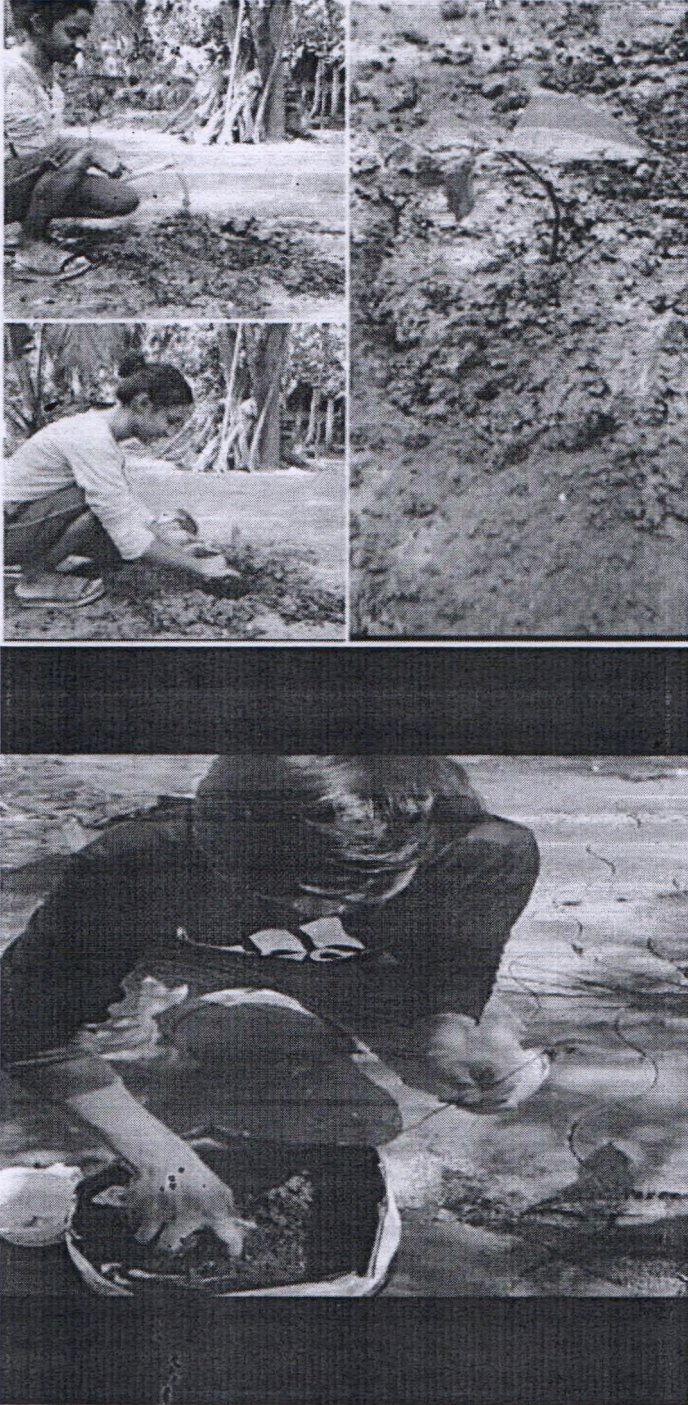
Volunteers of NSS UNIT:209 of NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE has initiated a campaign on planting sapling in every month they observed a day in every month as environment protection day and the volunteers along with their family and neighbours planted sapling on that day and a meeting will be conducted in morning session to evaluate the environment-related activities of the unit and they discussed what all things has to be included to increase the quality of the environment



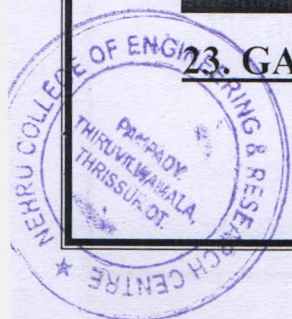
by them. The third step was conducted on 25/09/2020 the inaugural function was conducted on 17/07/2020

9:00am - 10:00am planting time

10:30am - 1:00pm online meeting



**23. GANDHI JAYANTI-**



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**02-10-2020**

As part of the Gandhi Jayanthi, celebrated every year on October 2nd, NSS Technical Cell Unit 209, N. C. E. R. C had conducted a webinar session. The session was handled by the Excise department, Pazhayannur, and was scheduled on Google Meet due to the current COVID-19 situation.

Outcome: NSS Volunteers realized and became more aware of the consequences of drug consumption.

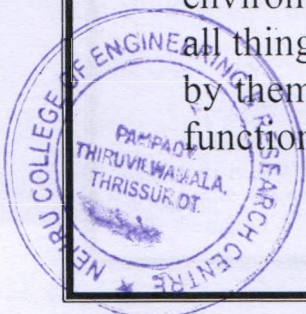
Highlights: NSS Unit 209, NCERC had released a short film for Vimukthi which helps in conveying the repercussions of drug abuse.



#### **24. PLANT A TREE PLANT A HOPE CAMPAIGN -4-**

**16-10-2020**

Volunteers of NSS UNIT:209 of NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE has initiated a campaign on planting sapling in every month they observed a day in every month as environment protection day and the volunteers along with their family and neighbours planted sapling on that day and a meeting will be conducted in morning session to evaluate the environment-related activities of the unit and they discussed what all things has to be included to increase the quality of the environment by them. The fourth step was conducted on 16/10/2020 the inaugural function was conducted on 17/07/2020



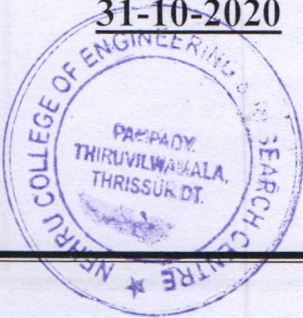
9:00am - 10:00am planting time

10:30am - 1:00pm online meeting



**25. NATIONAL UNITY DAY-**

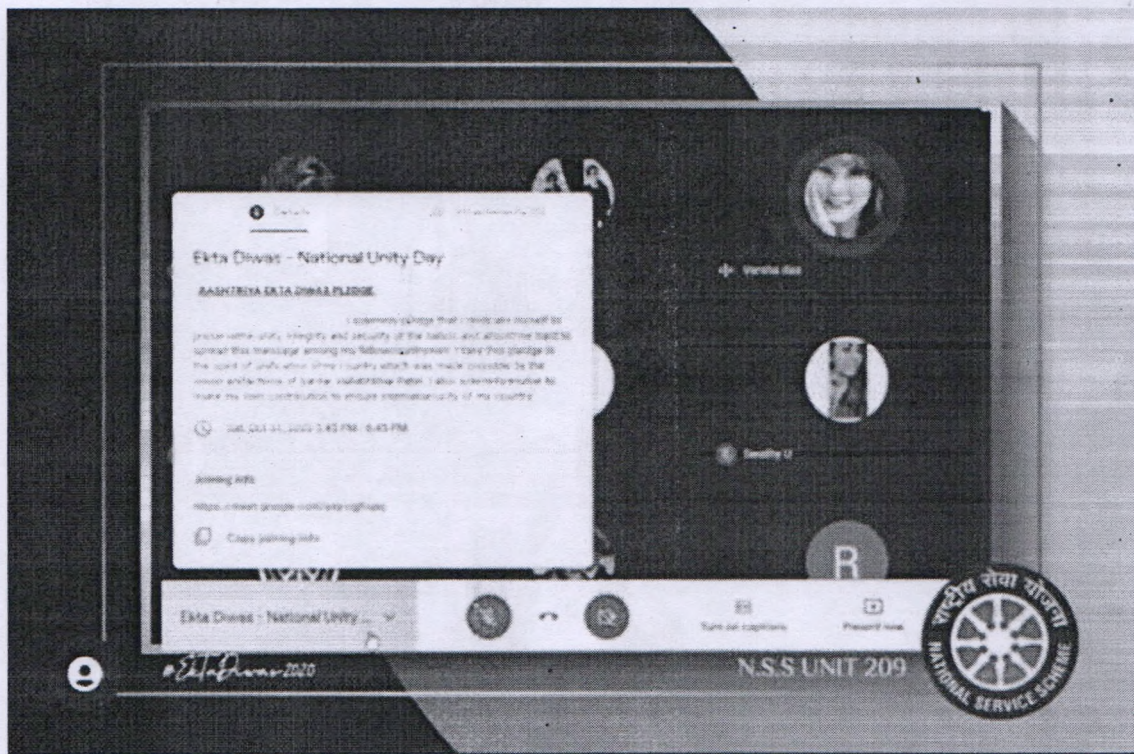
**31-10-2020**



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Volunteers of nss UNIT 209 of NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE has taken a oath in the unity day aand the oath was dictated by the volunteer secretaries and all the ather volunteers were present in the online platform and the program was inaugurated by program officer sri. Rakesh.p.r



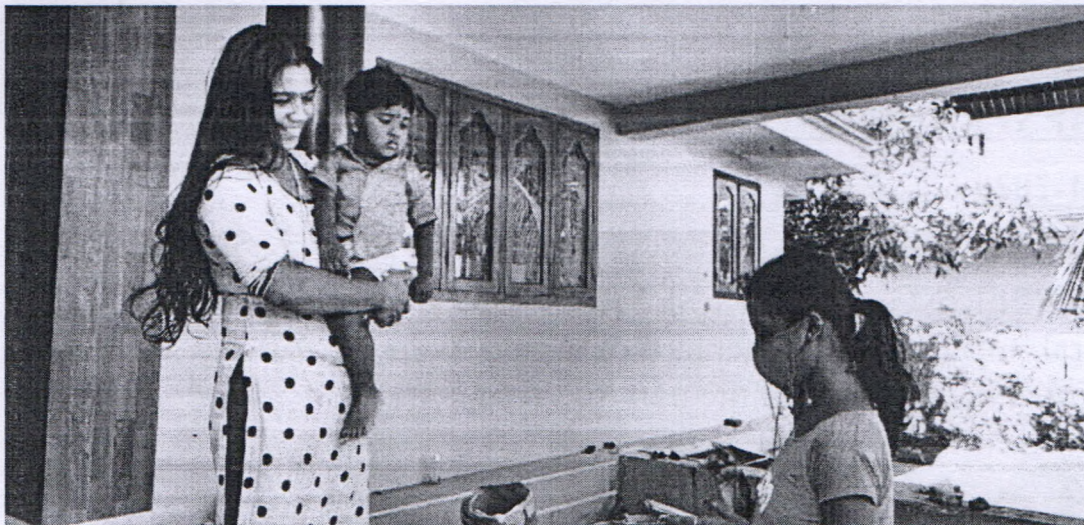
## 26. CHILDRENS DAY-

14-11-2020

NSS volunteers of NSS UNIT209 of NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE celebrated the childrens day in the memory of our first prime minister sri. Jawaharlal nehru as a part of this the volunteers distributed some sweets to their nearby children.



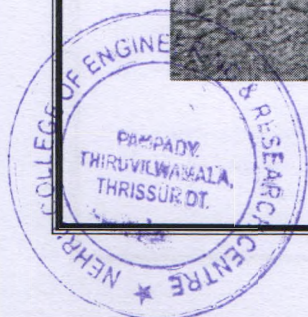
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## 27. CLEAN AND GREEN CAMPAIGN-

20-11-2020

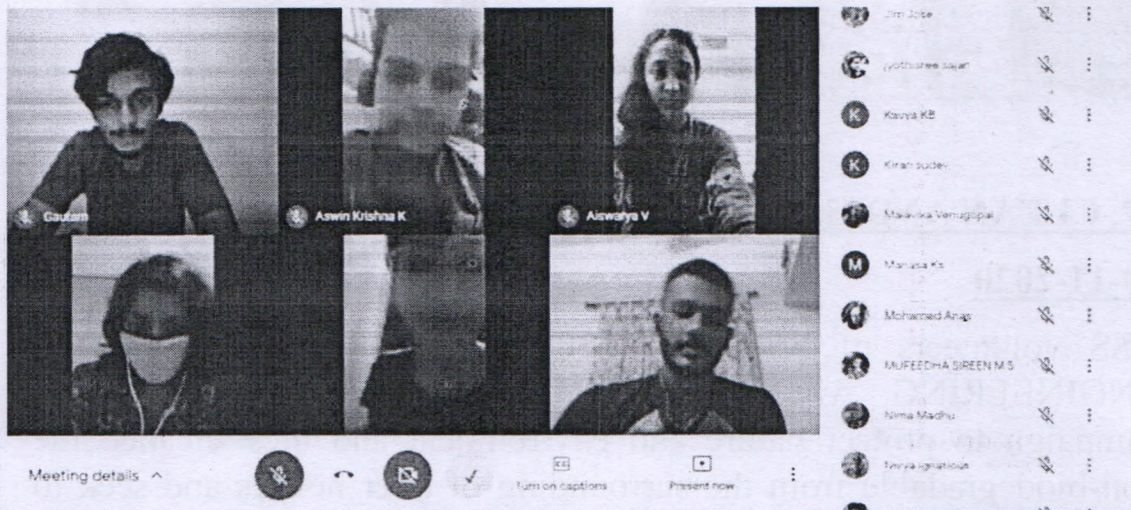
NSS volunteers of NSS UNIT 209 of NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE has initiated a campaign to protect nature and environment and they cleaned the non-biodegradable from the surrounding of their houses and seek to less use of plastic bags and plastic utensils planted plants in their houses



## 28. GENERAL MEETING-

21-11-2020

The volunteers of NSS UNIT 209 of NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE has conducted a general meeting on general topics and working of the unit and evaluated the working of the unit till then.



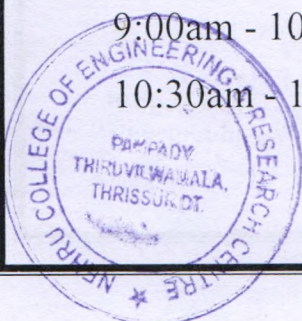
## 29. PLANT A TREE PLANT A HOPE CAMPAIGN 5-

27-11-2020

Volunteers of NSS UNIT:209 of NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE has initiated a campaign on planting sapling in every month they observed a day in every month as environment protection day and the volunteers planted sapling with there family and neighbours on that day and a meeting will be conducted in morning section to evaluate the environment-related activities of the unit and they discussed what are all things has to be included to increase the quality of the environment by them. The fifth step was conducted on 27/11/2020 the inaugural function was conducted on 17/07/2020

9:00am - 10:00am planting time

10:30am - 1:00pm online meeting

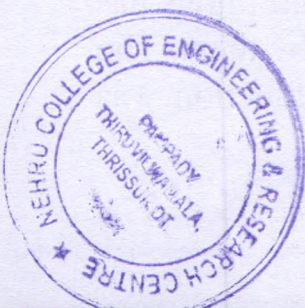




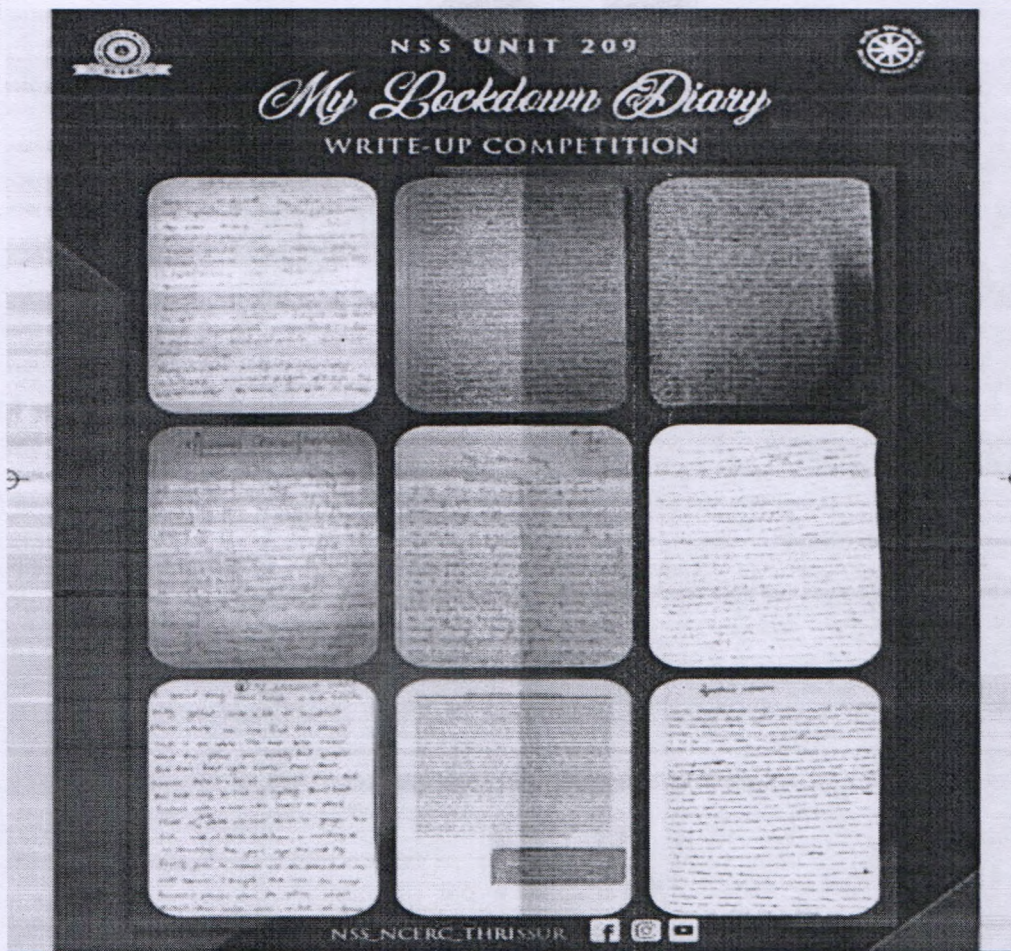
### 30. MY LOCKDOWN DIARIES-

06-12-2020

The volunteers of NSS UNIT 209 of NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE conducted a writeup competition based on their lockdown memories and experiences



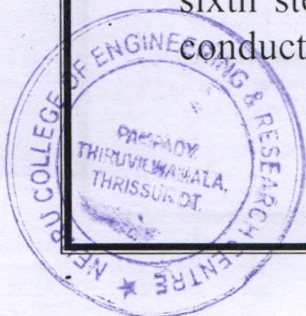
PRINCIPAL  
Nehru College of  
Engineering and Research Centre  
Pampady, Thiruvilwamala, Thirissur District  
Pin: 680 597 Kerala



### 31. PLANT A TREE PLANT A HOPE CAMPAIGN -6-

18-12-2020

Volunteers of NSS UNIT:209 of NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE has initiated a campaign on planting sapling in every month they observed a day in every month as environment protection day and the volunteers planted sapling with there family and neighbours on that day and a meeting will be conducted in morning section to evaluate the environment related activities of the unit and they discussed what are all things has to be included to increase the quality of the environment by them. The sixth step was conducted on 18/12/2020 the inaugural function was conducted on 17/07/2020



9:00am - 10:00am planting time

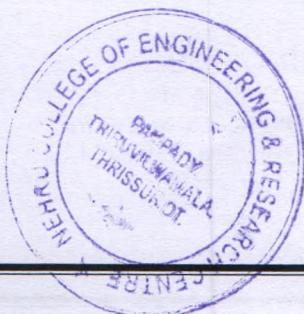
10:30am - 1:00pm online meeting



### 32. THANAL BHALASRAMAM VISIT-

25-12-2020

The nss volunteers of NSS UNIT 209 of NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE has visited and delivered christmas cake to thanal bhalasramam mayannur as a part of the christmas celebrations along with the nss unit jcet the volunteer secretaries of the both units handed over the cakes to the officials in the thanal bhalasramam mayannur.



## THANAL BALASRAMAM , MAYANNUR

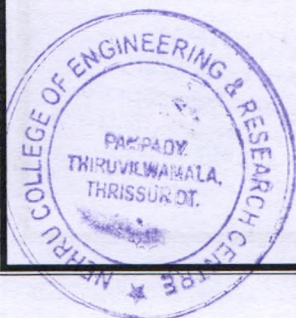
25/12/2020



### 33. CRAFT FROM WASTE MATERIALS-

30-12-2020

Nss volunteers of NSS UNIT 209 of NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE has initiated a campaign to make crafts from waste materials that will reduce the throw away culture of the waste materials and helps to reduce dumping of reusable products



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Pin 680 597 Kerala



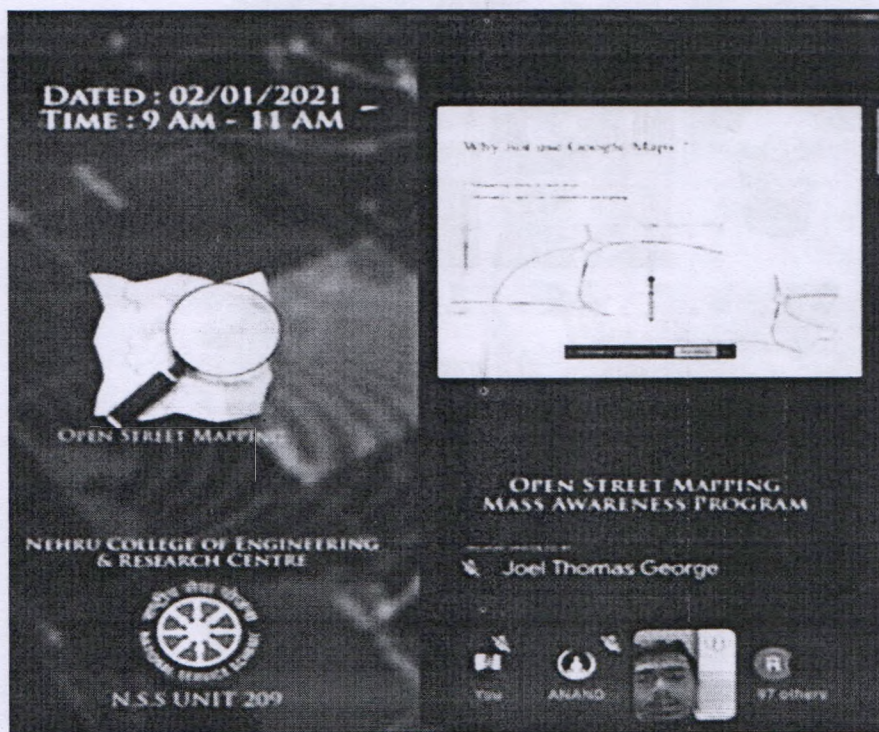
### 34. OPEN STREET MAPPING-

02-01-2021

Volunteers of NSS UNIT 209 of NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE has initiated a digital mapping process based on the mapathon project the have mapped the nearby places and main landmarks in there area several groups were created and leaders were placed to check and coordinate there works.



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Pin 680 597 Kerala

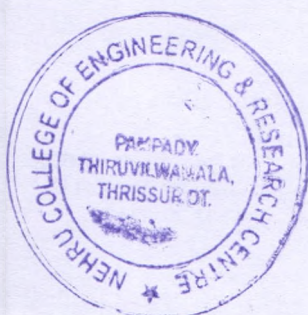


### 35. PRE-CAMP ORIENTATION-


03-01-2021

Volunteers of NSS UNIT 209 of NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE has conducted a pre-camp orientation program the program was inaugurated by program officer mr. Rakesh.p r and he delivered some words on the main objectives and activities that have to be done and what all are the missing values we have to inspect due to this covid-19 situations. The program was concluded by giving general instructions

To the volunteers that has to be followed during the camp days.



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**NEHRU COLLEGE OF ENGINEERING  
& RESEARCH CENTRE**



**N.S.S UNIT 209**



**"PRE-CAMP ORIENTATION"**

**03/01/2021 (SUNDAY) , TIME : 10 AM TO 11:30 AM**

**MEET-UP WILL BE HELD ONLINE VIA "ZOOM"**



**SHALIF P.S**  
SENIOR VOLUNTEER  
N.S.S UNIT 209  
**N.C.E.R.C**

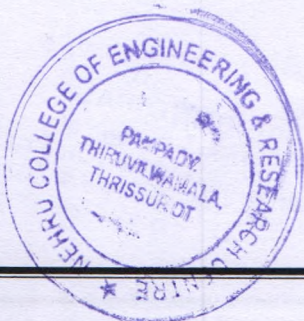
*#Chaare2021*

**"ചാറെ": 7 - Day Special Camp**

**36. GENERAAL MEETING-**

**17-01-2021**

Volunteers of NSS UNIT 209 of NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE conducted a general meeting to evaluate there progress and to plan new programs for future and appreciate the best performers in chaare seven-day special camp the orientation was inaugurated by program officer sri. Rakesh.p.r. and sir congratulated the best performers.



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Pin 680 597 Kerala

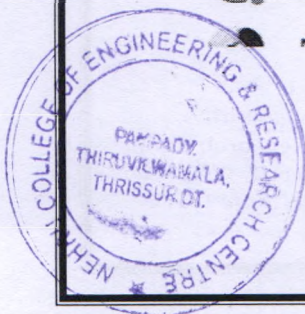


5:03 PM

← About this call

People	Information
Geethu Kv	
Gopika G Krishnan	
Goutham Dev	
haritha haridas	
Jerin Davis	
Jerin Rahman	
Jim Jose	
jyothisree sajan	
kaja hussain	
Kavya KB	
Malavika Venugopal	
Manasa Ks	
Mohamed Anas	
MUFEECHA SIREEN M S	
N.S.S Unit 209	
Nima Madhu	

Start



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Engineering and Research Centre  
Panipady, Thiruvilwamala, Thrissur Dt.  
Pin 680 597 Kerala





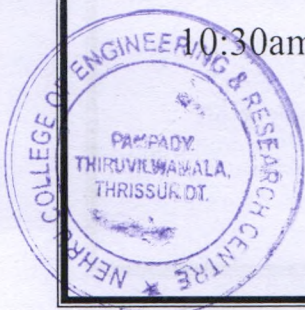
### **39. PLANT A TREE PLANT A HOPE CAMPAIGN -7-**

**29-01-2021**

Volunteers of NSS UNIT:209 of NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE has initiated a campaign on planting sapling in every month they observed a day in every month as environment protection day and the volunteers along with their family and neighbours planted sapling on that day and a meeting will be conducted in morning session to evaluate the environment-related activities of the unit and they discussed what all things has to be included to increase the quality of the environment by them. The seventh step was conducted on 29/01/2020 the inaugural function was conducted on 17/07/2020

9:00am - 10:00am planting time

10:30am - 1:00pm online meeting

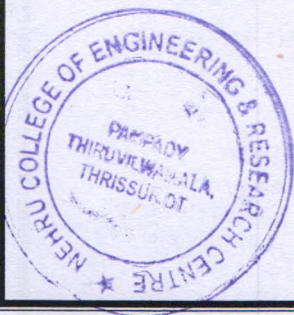


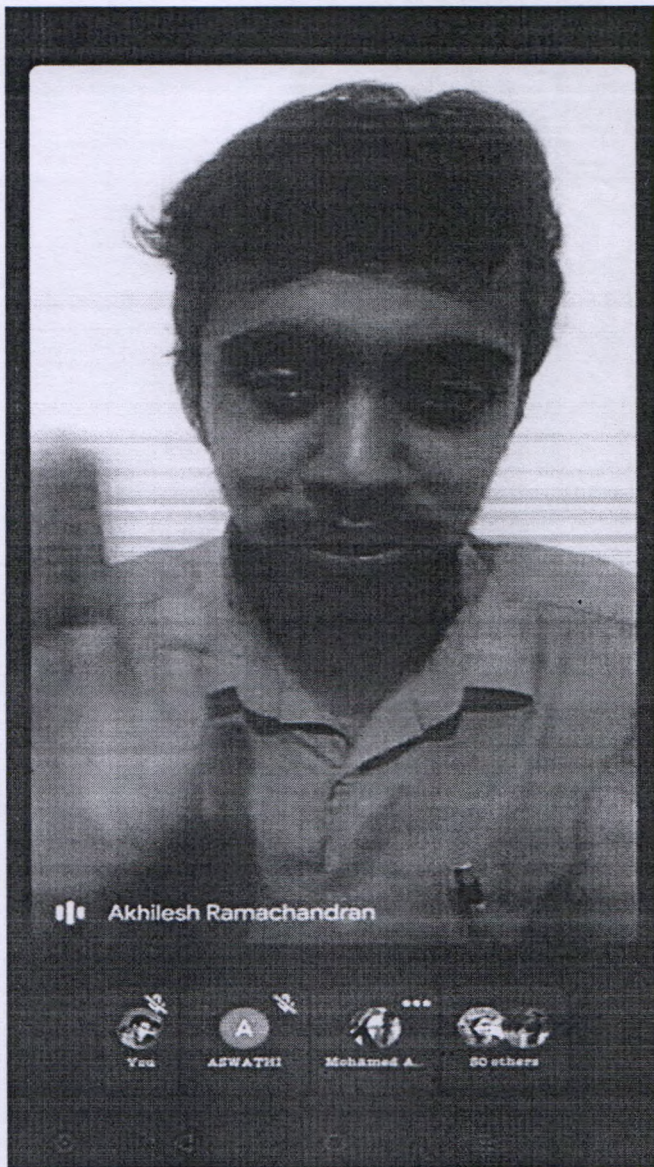


#### **40.MISHAAL-**

**30-01-2021**

Volunteers of NSS UNIT 209 of NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE participated in a orientation for participating in a competition for leadership and they were explained about the procedures and different stages in the competition by mr. Akilesh in the presence of program officer and the 12 volunteers were registered to participate in the competition and 4 were selected for the second stage.

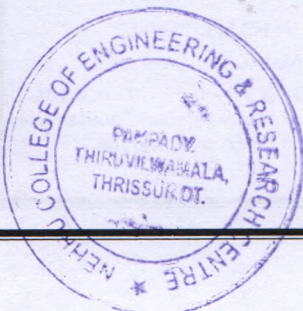


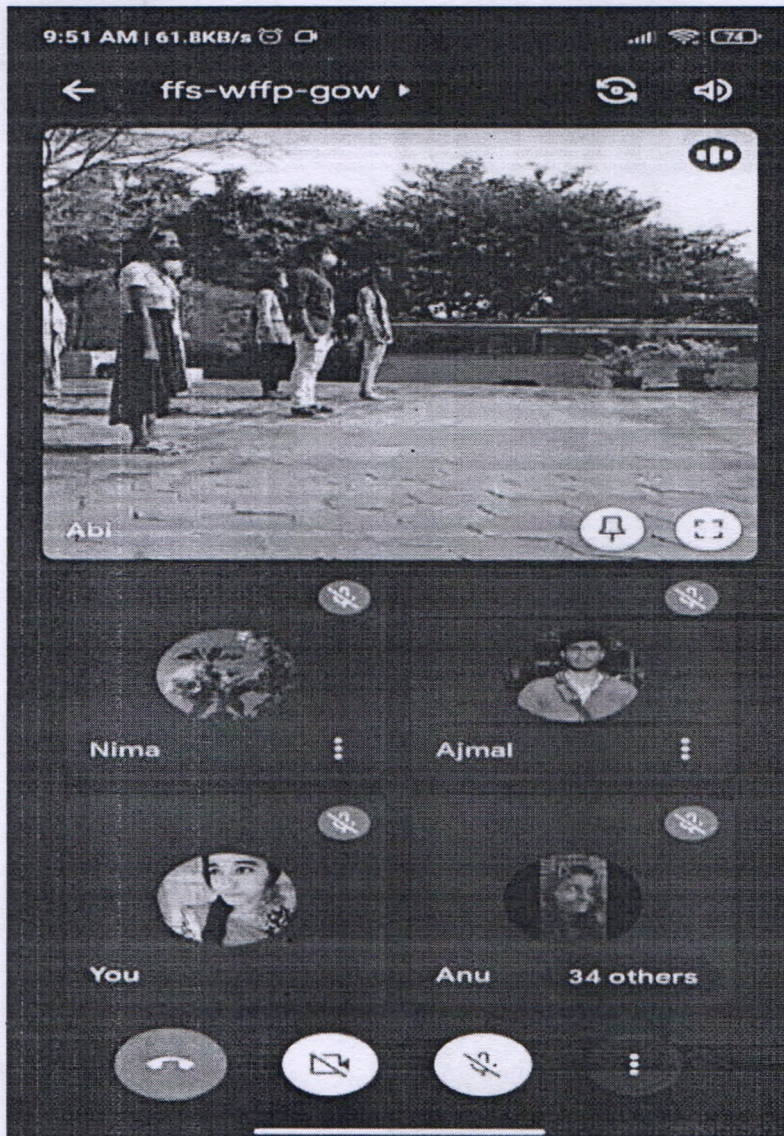


#### 41. MAPAATHON GENERAL MEETING-

26-02-2021

Volunteers of NSS UNIT 209 of NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE was given a general orientation about the mapathon project and they were explained about various facilities provided to them by the government by the program officer and what works have to be done by them were also explained to them by the volunteer secretaries after dividing them into groups each with four - five members.

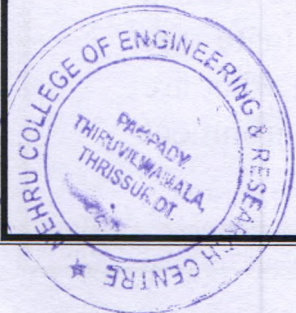




## 42. MOTHER TONGUE DAY-

21-02-2021

Volunteers of NSS UNIT 209 of NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE has conducted a meeting for celebrating mother tongue day and they shared their views to preserve it and promote its usage volunteers were instructed by volunteers and take an oath the oath was delivered to the volunteers by the volunteer secretaries.

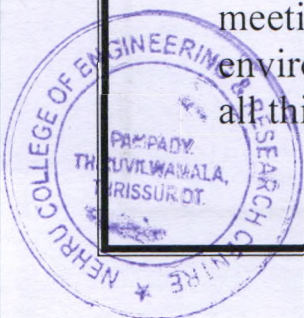




### 43.PLANT A TREE PLANT A HOPE CAMPAIGN -8-

26-02-2021

Volunteers of NSS UNIT:209 of NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE has initiated a campaign on planting sapling in every month they observed a day in every month as environment protection day and the volunteers along with there family and neighbours planted sapling on that day and a meeting will be conducted in morning section to evaluate the environment-related activities of the unit and they discussed what are all things has to be included to increase the quality of the environment



by them. The eighth step was conducted on 26/02/2021 the inaugural function was conducted on 17/07/2020

9:00am - 10:00am planting time

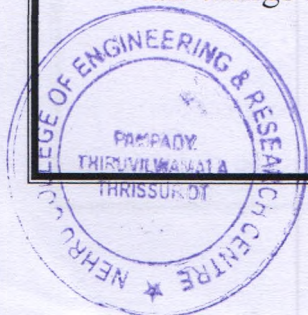
10:30am - 1:00pm online meeting



#### **44. PLANT A TREE PLANT A HOPE CAMPAIGN -9-**

**26-03-2021**

Volunteers of NSS UNIT:209 of NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE has initiated a campaign on planting sapling in every month they observed a day in every month as environment protection day and the volunteers along with their family and neighbours planted sapling on that day and a meeting will be conducted in morning session to evaluate the environment related activities of the unit and they discussed what are all things that have to be included to increase the quality of the environment



by them. The ninth step was conducted on 26/03/2021 the inaugural function was conducted on 17/07/2020

9:00am - 10:00am planting time

10:30am - 1:00pm online meeting



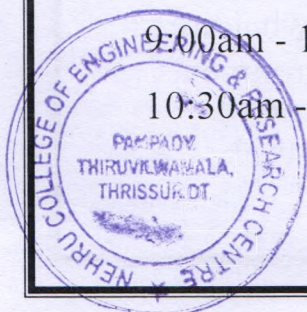
#### **45. PLANT A TREE PLANT A HOPE CAMPAIGN -10-**

**27-04-2021**

Volunteers of NSS UNIT:209 of NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE has initiated a campaign on planting sapling in every month they observed a day in every month as environment protection day and the volunteers along with their family and neighbours planted sapling on that day and a meeting will be conducted in morning session to evaluate the environment-related activities of the unit and they discussed what all things has to be included to increase the quality of the environment by them. The tenth step was conducted on 27/04/2021 the inaugural function was conducted on 17/07/2020

9:00am - 10:00am planting time

10:30am - 1:00pm online meeting





**NCC Report**  
**2020 - 21**



**NEHRUCOLLEGE OF ENGINEERING & RESEARCH CENTRE**  
**(NAAC Accredited)**  
**PAMPADY, THIRUVILWAMALA, THRISSUR – 680588**  
**Independence Day Celebrations 2021**

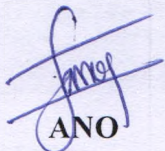
75<sup>th</sup> Independence Day was celebrated on 15 August 2021 with great happiness and enthusiasm at Nehru College of Engineering & Research Centre, Pampady, Thrissur. Although in the middle of covid pandemic, majority of cadets attended the celebration.

The National flag was hoisted by the respected principal Prof. Dr. Ambikadevi Amma T in the presence of Lt. Sanoj. T, Associate NCC Officer, Mr. Ambikadas, Academic Superintendent, Mr. Rejumon, NSS program officer, NCC cadets, NSS volunteers, other staffs and students.

After the flag hoisting there was a short speech by one of the SD cadet on the importance of Independence Day and also a patriotic song by NCC cadets.

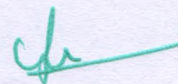
An Online Drawing competition on the topic “Real Heroes” and an online Patriotic song competition were conducted by the NCC cadets who were not present in the occasion.

It was the day which showed the true patriotism in us by celebrating Independence Day in despite of covid-19.



ANO

**NCERC, Pampady**  
(Associate NCC Officer (Army))  
23(k) Bn NCC  
Nehru College of Engineering & Research Centre  
Pampady, Thrissur - 680588

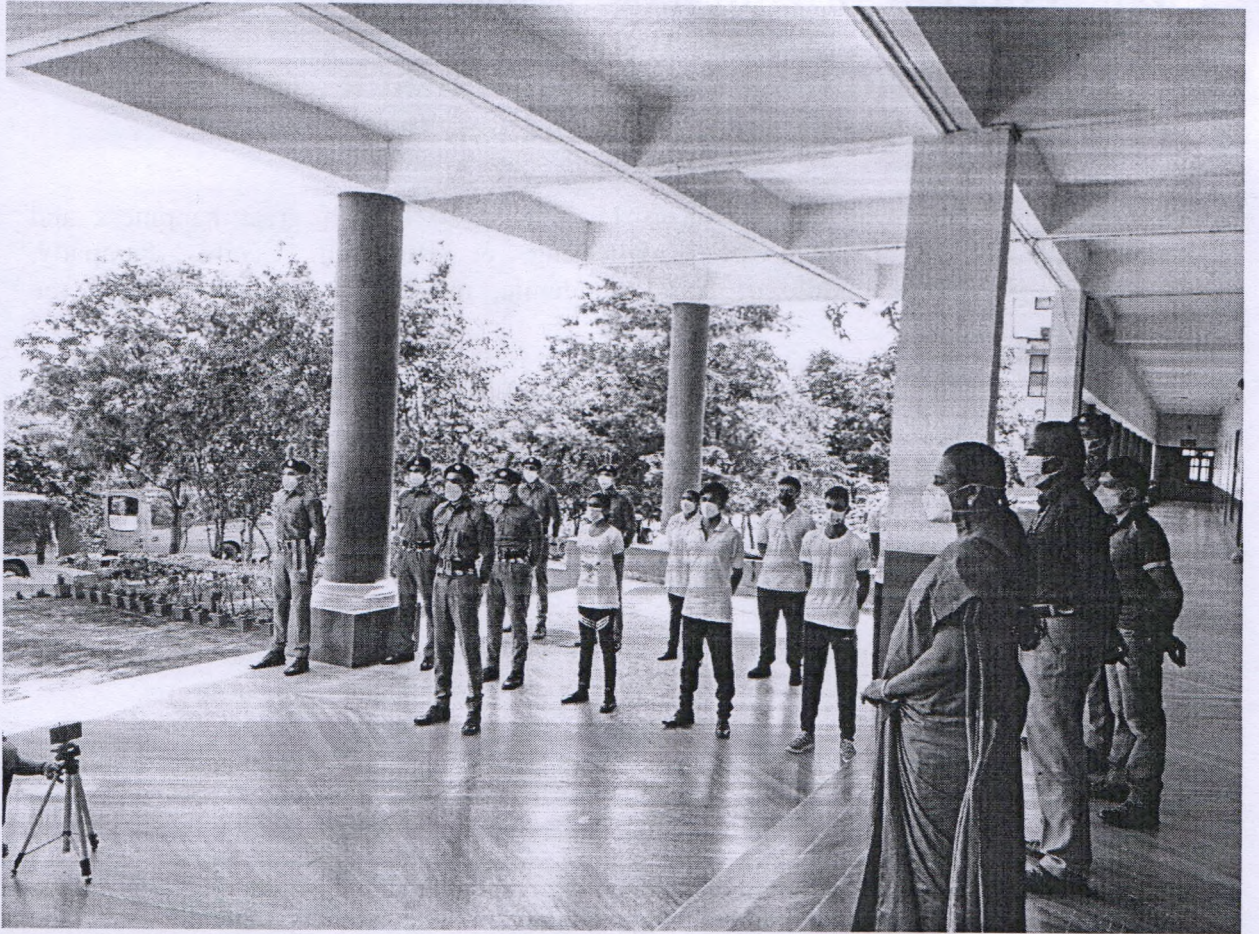


**Principal**  
**NCERC, Pampady**



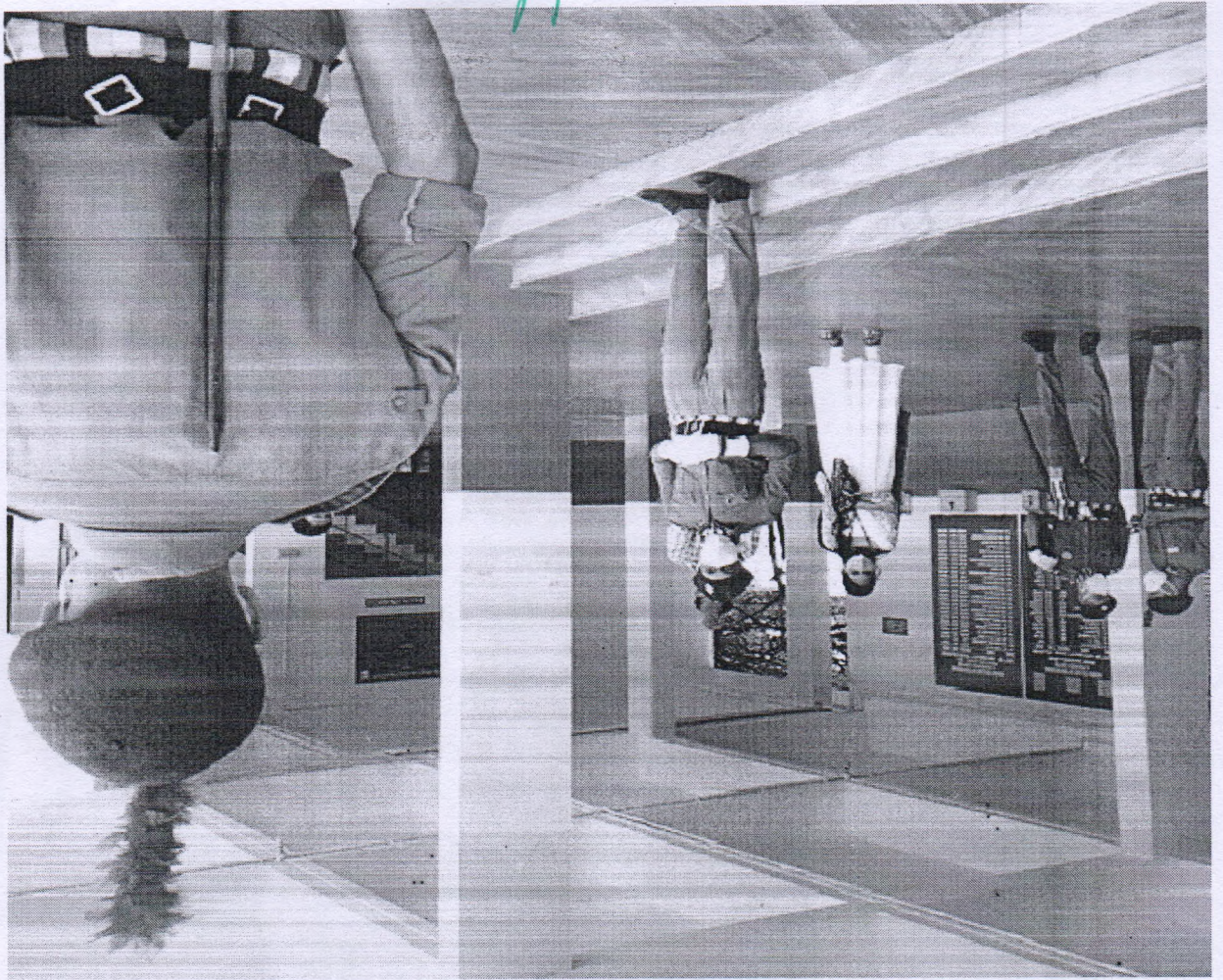


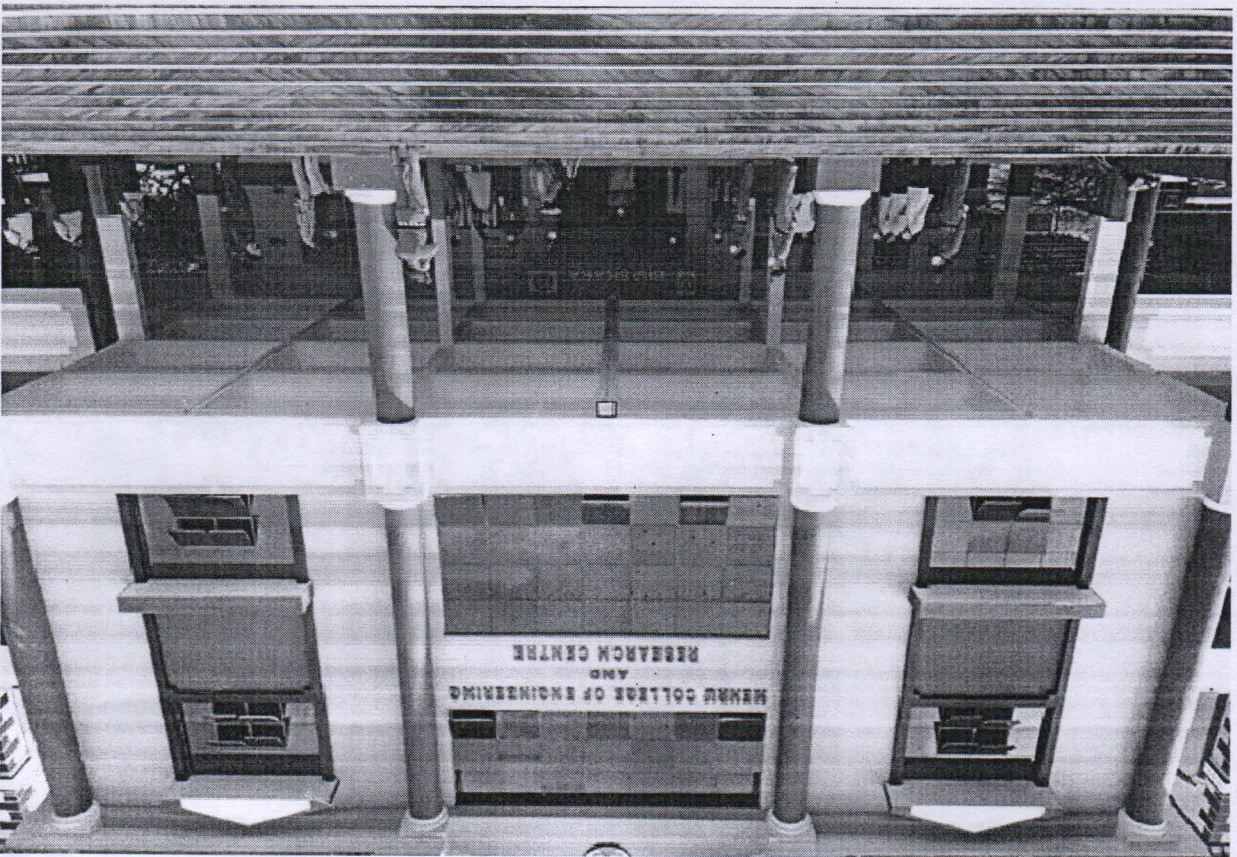
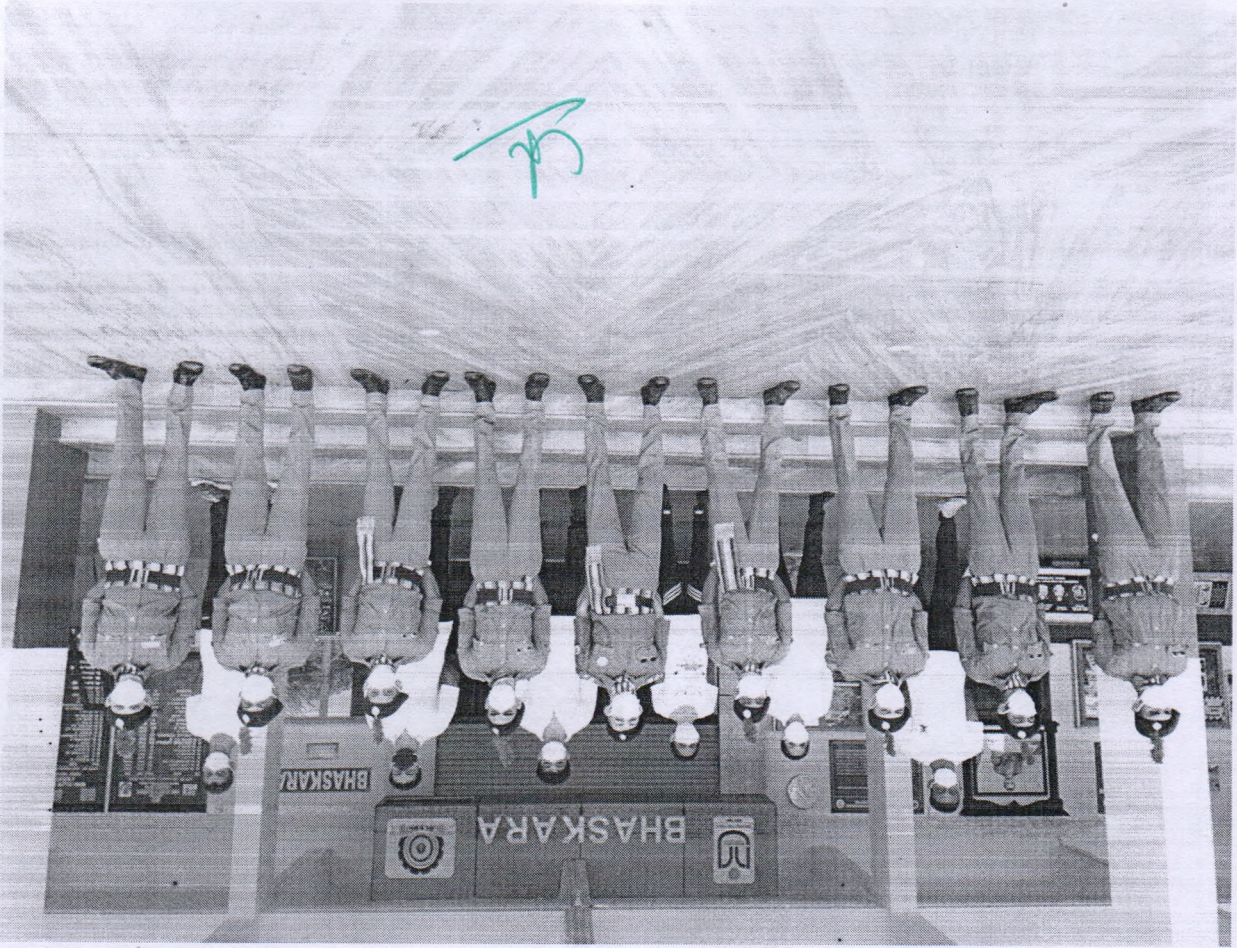
VCC Kaps



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27





**NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE**

**(NAAC Accredited)**

**PAMPADY , THIRUVILWAMALA, THRISSUR-680588**

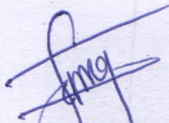
**DOCTOR'S DAY--- 01 JULY 2021**

Doctor's day was conducted on 01 July 2021. We , NCC Cadets of Nehru College of Engineering and Research centre , conducted the day to pay tribute to the physicians and their contributions to the society.

Cadets designed posters which shows respect towards the Doctors and collected some of the important quotes that picturize their selfless efforts. They also created a video which includes some of the articles and drawings of cadets which point out the contributions of the physicians towards the world.

All events were conducted in presence of Lt Sanoj T, NCC ANO, NCERC, PAMPADY by respecting all the covid-19 protocols.

Since the onset of the pandemic, our doctors have been working non-stop. On this occasion of Doctor's day we celebrated our saviours.



NCC ANO

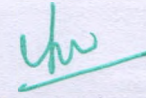
NCERC, Pampady

**LT. SANOJ T**

(Associate NCC Officer (Army))

23(k) Bn NCC

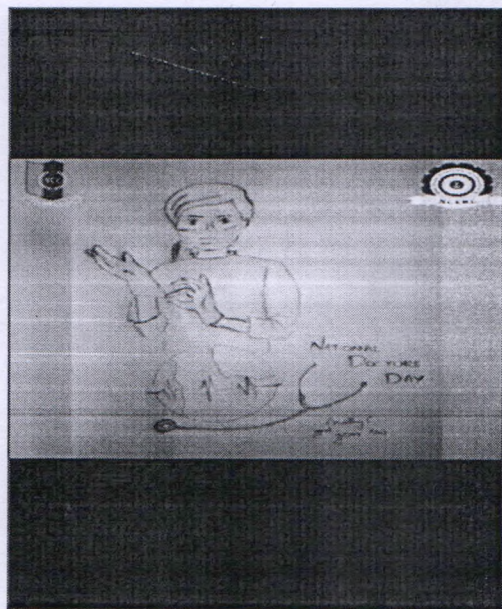
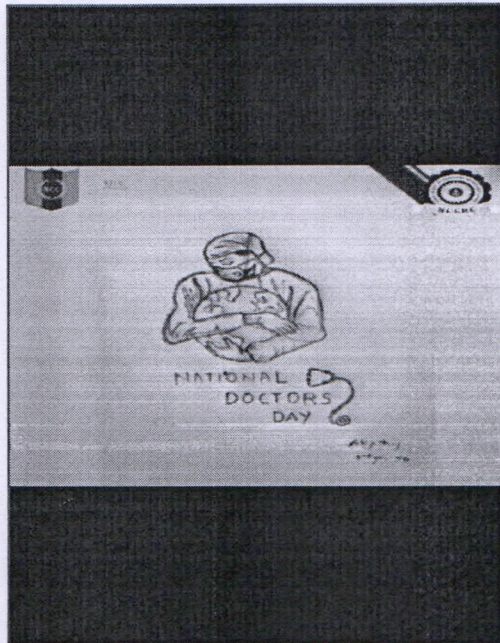
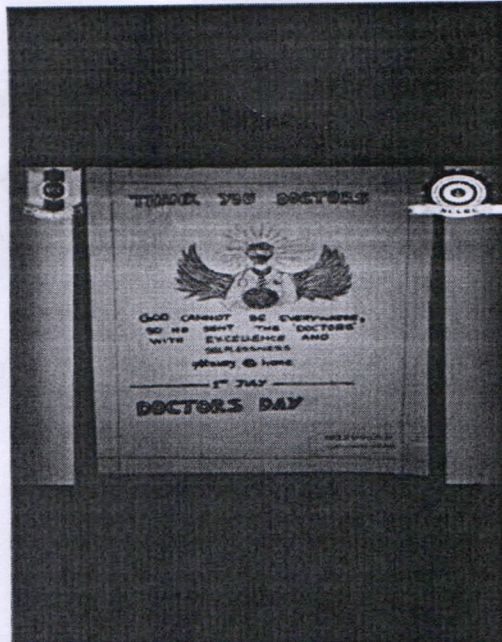
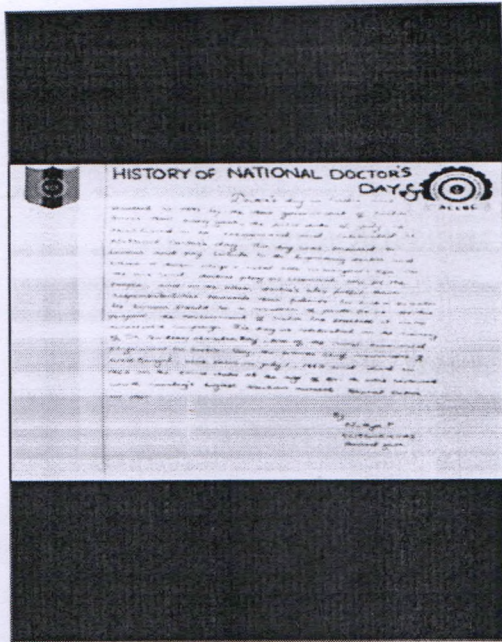
Nehru College of Engineering & Research Centre  
Pampady, Thrissur - 680588

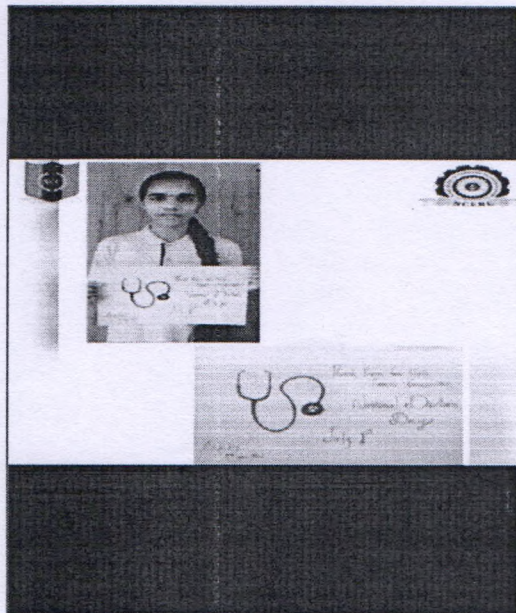
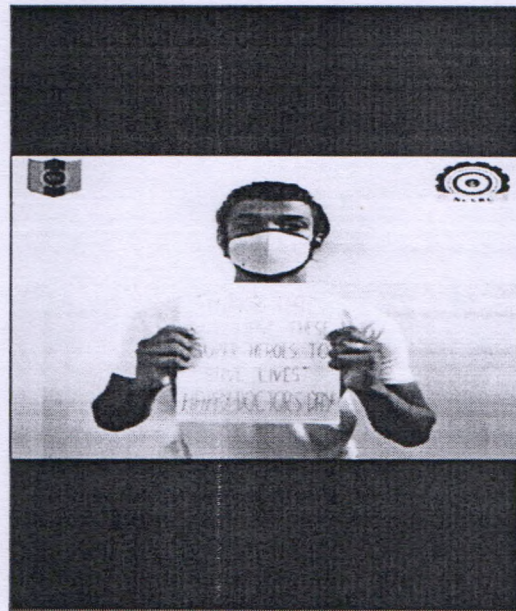
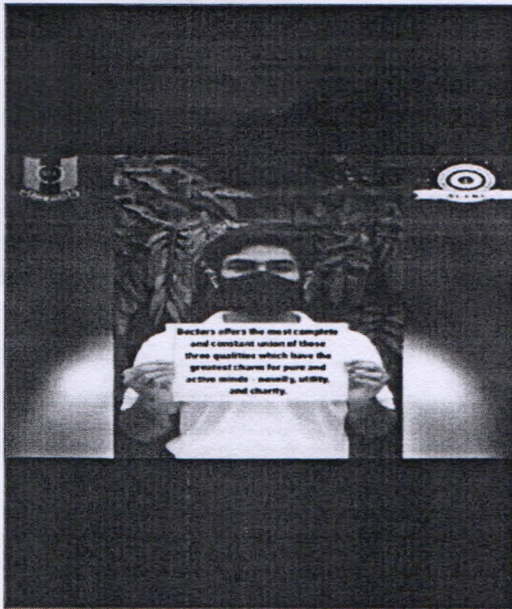


Princip al

NCERC, Pampady








**Nehru College of Engineering and Research Centre**

WANK, Approved, ISO 9001 and ISO 14001  
Approved by KJ Somaiya Institute of Engineering and Technology, Kalyan  
Perapole, Thane District, Maharashtra

National  **DOCTORS** Day

JULY 1

**HISTORY OF NATIONAL DOCTORS DAY**

Doctors day is celebrated on July 1st every year in India. It was first celebrated in 1993. The day is celebrated to honor the doctors for their service to society. The day is celebrated to honor the doctors for their service to society. The day is celebrated to honor the doctors for their service to society.

Dr. B. S. Patil  
Principal, Nehru College of Engineering and Research Centre

*Handwritten signature in green ink.*

**NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE**

**(NAAC Accredited)**

**PAMPADY , THIRUVILWAMALA, THRISSUR-680588**

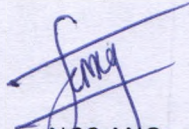
**INTERNATIONAL YOGA DAY--- 21 JUNE 2021**


International yoga day was conducted on 21 June 2021. Due to covid-19 pandemic situation, we , NCC Cadets of Nehru College of Engineering and Research centre, conducted the day individually in our own places.

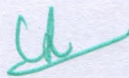
Cadets practiced yoga and shared different yoga asanas to other students also. We also created a magazine containing pictures, steps, benefits and precautions of almost 28 yoga asanas.

All events were conducted in presence of Lt Sanoj T, NCC ANO, NCERC, PAMPADY by respecting all the covid-19 protocols.

The observance of the day helped us to raise an awareness of the several benefits of yoga. We are proud that the practice of yoga finds its origin in India.

  
NCC ANO  
Lt. SANOJ T  
(Associate NCC Officer (Army))  
NCERC, Pampady  
Nehru College of Engineering & Research Centre  
Pampady, Thrissur - 680588

  
Principal  
NCERC, Pampady





# INTERNATIONAL YOGA DAY

2021 Asia event  
By NCC students of  
Nehru College of Engineering and Research Centre  
Kerala BAPPA, INDIA



## Introduction

Yoga is the most reasonable method to connect to the nature by purifying the mind, body, and soul. It is a type of spiritual path performed through the physical body and mental and spiritual power. It is a holistic approach to health and well-being.

Yoga is the union of the mind, body, and soul. It is a holistic approach to health and well-being. It is a path of self-discovery and self-realization. It is a path of inner peace and harmony.

Practicing yoga gives you control, health, and meditative benefits. A combination of different practices in yoga helps you achieve all these. There are many types of yoga. Some are more physical, some are more mental, and some are more spiritual. You can choose the one that suits you best.



## SETU BANDHASANA (BRIDGE POSE)



### STEPS

- 1. Lie on your back with knees bent and feet flat on the floor.
- 2. Lift your hips to form a bridge shape.
- 3. Hold for 30 seconds.
- 4. Repeat 3-5 times.



- 1. This pose is good for the spine and helps to improve the posture.
- 2. It helps to strengthen the back muscles.
- 3. It helps to improve the circulation of blood.
- 4. It helps to reduce the stress and anxiety.

### BENEFITS

- 1. It helps to improve the posture.
- 2. It helps to strengthen the back muscles.
- 3. It helps to improve the circulation of blood.
- 4. It helps to reduce the stress and anxiety.

### PRECAUTIONS

- 1. Avoid this pose if you have a back injury.
- 2. Avoid this pose if you have a headache.
- 3. Avoid this pose if you have a cold or flu.



## MAYURASANA (PEACOCK POSE)



### STEPS

- 1. Stand on your feet with feet together.
- 2. Lift your arms and balance on your hands.
- 3. Hold for 30 seconds.
- 4. Repeat 3-5 times.



- 1. This pose is good for the spine and helps to improve the posture.
- 2. It helps to strengthen the back muscles.
- 3. It helps to improve the circulation of blood.
- 4. It helps to reduce the stress and anxiety.

### BENEFITS

- 1. It helps to improve the posture.
- 2. It helps to strengthen the back muscles.
- 3. It helps to improve the circulation of blood.
- 4. It helps to reduce the stress and anxiety.

### PRECAUTIONS

- 1. Avoid this pose if you have a back injury.
- 2. Avoid this pose if you have a headache.
- 3. Avoid this pose if you have a cold or flu.



## CHATURANGA DANDASANA



### STEPS

- 1. Start in a plank position with hands under shoulders.
- 2. Lower your body to the ground.
- 3. Hold for 30 seconds.
- 4. Repeat 3-5 times.



### BENEFITS

- 1. It helps to improve the posture.
- 2. It helps to strengthen the back muscles.
- 3. It helps to improve the circulation of blood.
- 4. It helps to reduce the stress and anxiety.

### PRECAUTIONS

- 1. Avoid this pose if you have a back injury.
- 2. Avoid this pose if you have a headache.
- 3. Avoid this pose if you have a cold or flu.



## SARPASANA (SHAKE POSE)



### STEPS

- 1. Lie on your stomach with knees bent and feet flat on the floor.
- 2. Lift your hips to form a bridge shape.
- 3. Hold for 30 seconds.
- 4. Repeat 3-5 times.



# INTERNATIONAL YOGA DAY

JUNE 21

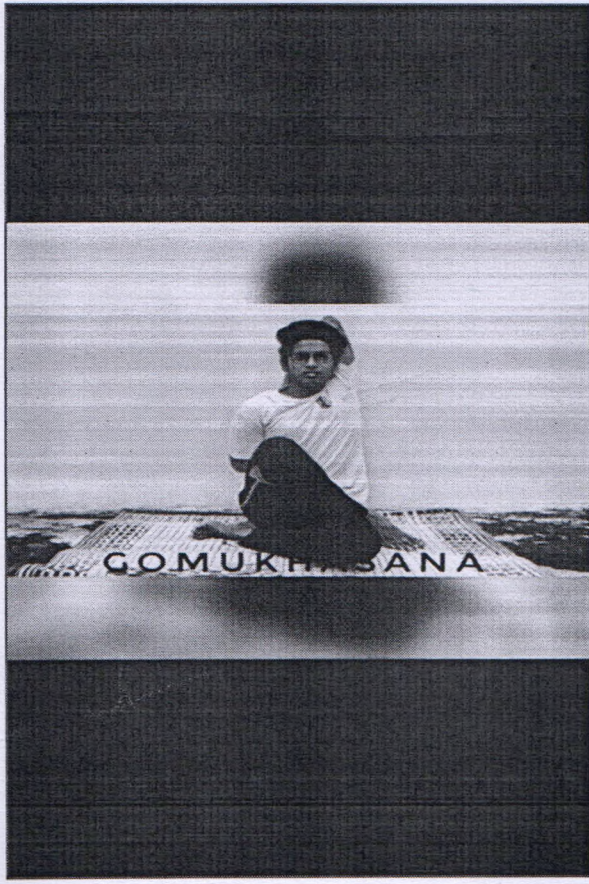
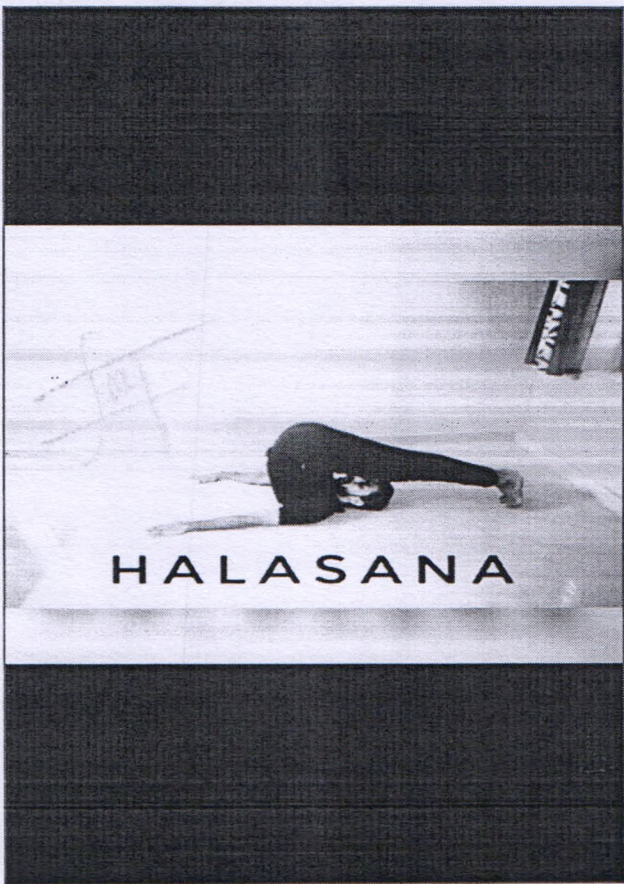
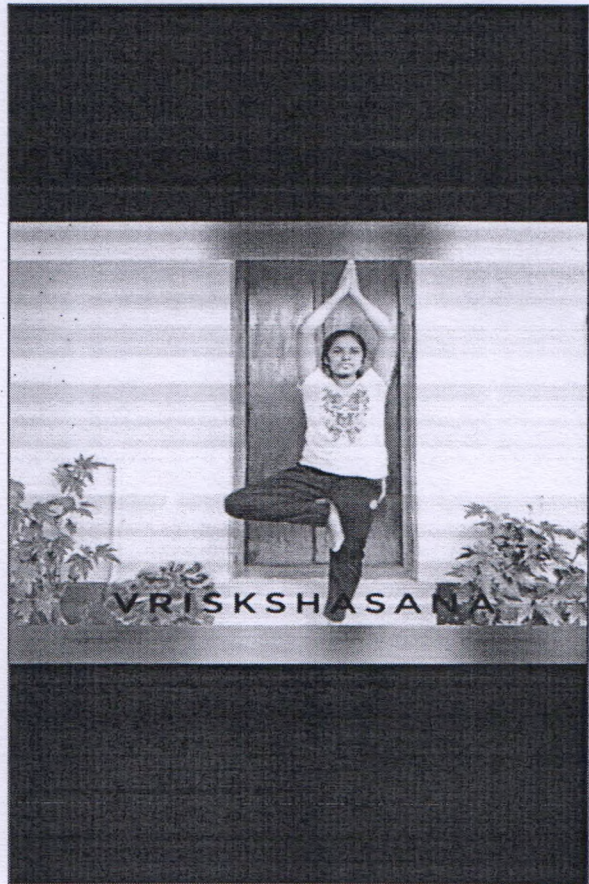
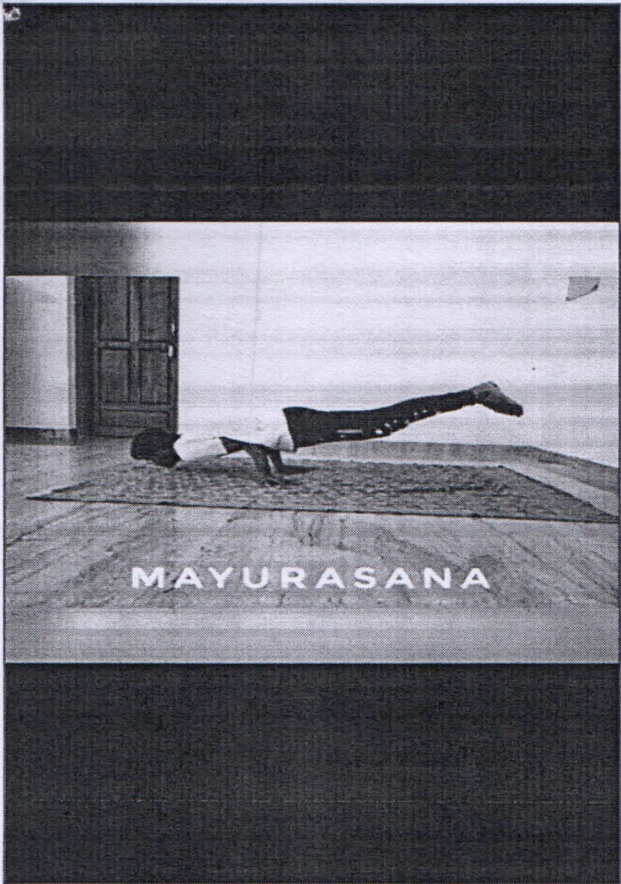
YOGA IS THE JOURNEY OF THE SELF.  
THROUGH THE SELF, TO THE SELF.  
YOGA FOR WELL-BEING



NATIONAL CADET CORPS  
NCERC



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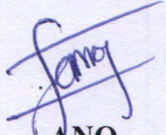


**NEHRUCOLLEGE OF ENGINEERING & RESEARCH CENTRE  
(NAAC Accredited)  
PAMPADY, THIRUVILWAMALA, THRISSUR – 680588**

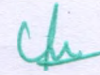
**Gandhi Jayanti celebration**

On Saturday, October 2, 2021, the NCC cadets of Nehru College of Engineering & Research Centre, Under 23 Kerala Battalion NCC, Thrissur payed homage to Mahatma Gandhi on the 152<sup>nd</sup> birth anniversary of the “Father of the Nation.” Cadets celebrated 152nd Gandhi Jayanti by observing Swachh Bharat Abhiyan at their native localities.

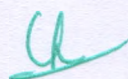
NCC Cadets also expressed their gratitude and appreciation by making a video about the contributions and role played by Mahatma Gandhi in the life of every Indian citizen. The entire programme was applauded by everyone present and will always remain a beautiful memory in the hearts of all.

  
ANO

**NCERC, Pampady**  
(Associate NCC Officer (Army))  
23(k) Bn NCC  
Nehru College of Engineering & Research Centre  
Pampady, Thrissur - 680588



**Principal**  
**NCERC, Pampady**

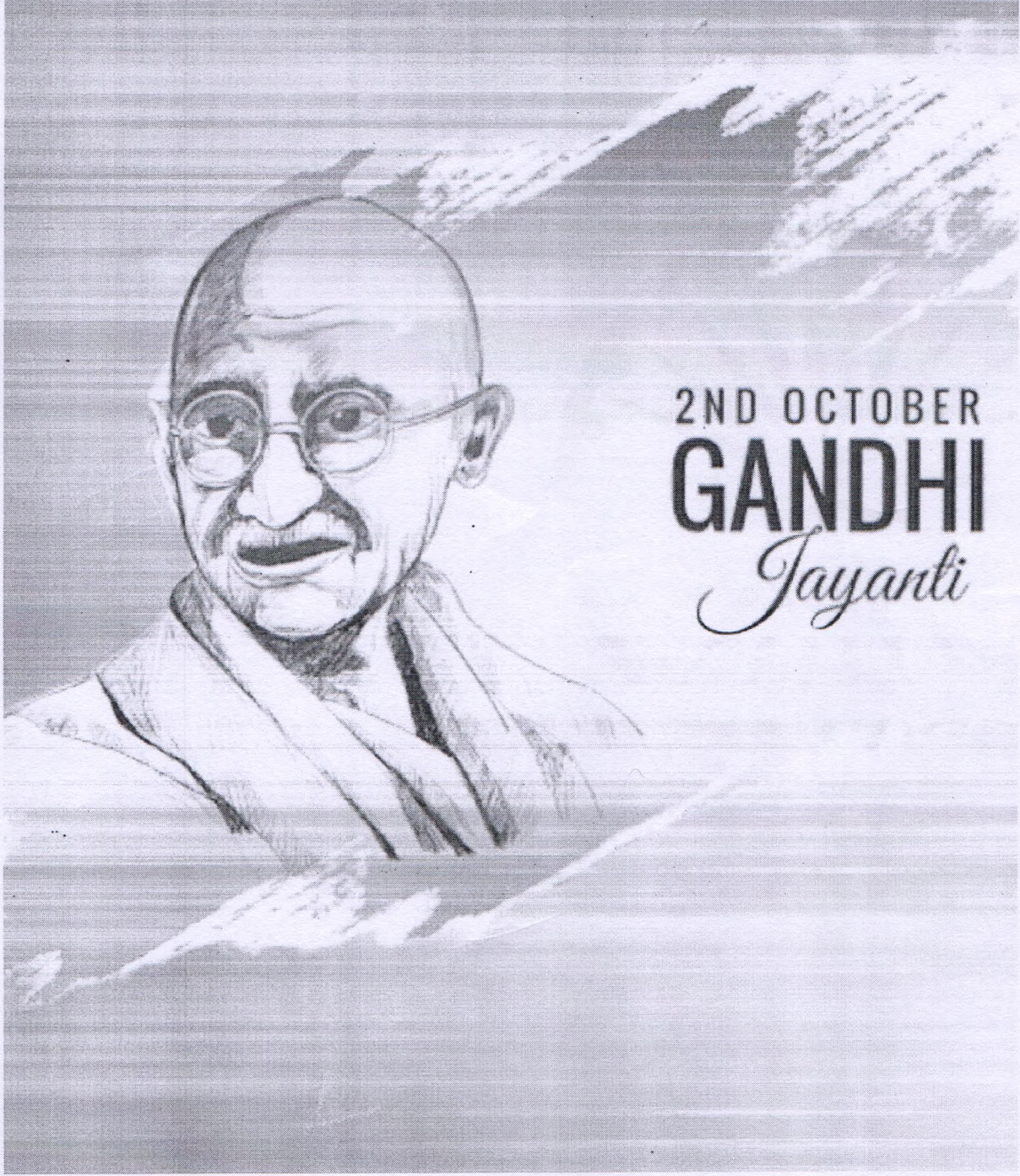




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2ND OCTOBER  
**GANDHI**  
*Jayanti*

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(Pampady, Thiruvilvamala, Thrissur-680588)



**Prithipully  
Palakkad**



**Vengara  
Malappuram**



**Kunnakav  
Malappuram**



**Ottapalam  
Palakkad**



**Ottapalam  
Palakkad**



**Shornur  
Palakkad**

**Be the change you want to see in  
the world**

-M K. Gandhi

*Handwritten signature*

25



4



**NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE**

**(NAAC Accredited)**

**PAMPADY , THIRUVILWAMALA, THRISSUR-680588**

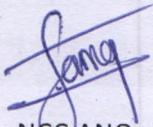
**WORLD ENVIRONMENT DAY--- 05 JUNE 2021**

World Environment day was conducted on 05 June 2021. Due to covid-19 pandemic situation, we , NCC Cadets of Nehru College of Engineering and Research centre, conducted the day individually in our own places.

Cadets planted trees at their surroundings and shared the pictures. We also conducted a speak up competition on the topic "ENVIRONMENTAL JUSTICE IN INDIA". Almost 15 students from different colleges participated.

All events were conducted in presence of Lt Sanoj T, NCC ANO, NCERC, PAMPADY by respecting all the covid-19 protocols.

The day created awareness on environmental issues like global warming, ozone layer depletion etc.. and especially environmental justice in India.

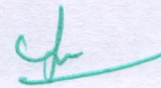


NCC ANO  
LT. SANOJ T

(Assistant NCC Officer (Army))

NCERC, Pampady  
23(k) Bn NCC

Nehru College of Engineering & Research Centre  
Pampady, Thrissur - 680588




Principal

NCERC, Pampady

4

**SPEAK UP  
COMPETITION**

TOPIC:  
**ENVIRONMENTAL  
JUSTICE IN  
INDIA**



**RULES:**

- PARTICIPANT MUST BE A COLLEGE STUDENT
- PARTICIPANTS SHOULD MAKE A VIDEO OF ONE MINUTE DURATION
- SEND YOUR ENTRIES TO THE FOLLOWING NUMBERS

**8606042145** -ABHINAV P V  
**9539326162** -ANUJ ANTO

LAST DATE: **"JUNE 4, 3 PM"**

NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE PAMPADY  
NATIONAL CADET CORPS



NEHRU GROUP OF INSTITUTIONS  
ECOSYSTEM RESTORATION



**Repair  
Rebuild  
Restore**

**5<sup>th</sup> JUNE** WORLD ENVIRONMENT DAY


NEHRU GROUP OF INSTITUTIONS  
ECOSYSTEM RESTORATION



**Repair  
Rebuild  
Restore**

**5<sup>th</sup> JUNE** WORLD ENVIRONMENT DAY


NEHRU GROUP OF INSTITUTIONS  
ECOSYSTEM RESTORATION



**Repair  
Rebuild  
Restore**

**5<sup>th</sup> JUNE** WORLD ENVIRONMENT DAY

NEHRU GROUP OF INSTITUTIONS  
ECOSYSTEM RESTORATION



**Repair  
Rebuild  
Restore**

**5<sup>th</sup> JUNE** WORLD ENVIRONMENT DAY

4



# NEHRU COLLEGE OF ENGINEERING & RESEARCH CENTRE

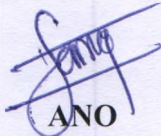
(NAAC Accredited)

PAMPADY, THIRUVILWAMALA, THRISSUR – 680588

## Teacher's Day Celebrations 2021

We celebrate Teacher's day every year throughout the country on 5<sup>th</sup> September to appreciate the role played by teachers in the life of students—the leaders of tomorrow. This day is dedicated to Dr. SarvepalliRadhakrishnan, a timeless teacher and the former President of the country. Amidst the pandemic, Teacher's day was celebrated on 5<sup>th</sup> September, 2021 virtually.

On this day, NCC Cadets of Nehru College, Pampady expressed their gratitude and appreciation by making a video of them holding posters with lovely quotes about teachers. The entire programme was applauded by everyone present and will always remain a beautiful memory in the hearts of one and all present.



ANO

**NCERC, Pampady**

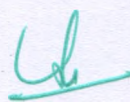
(Associate NCC Officer (Army))  
23(k) Bn NCC

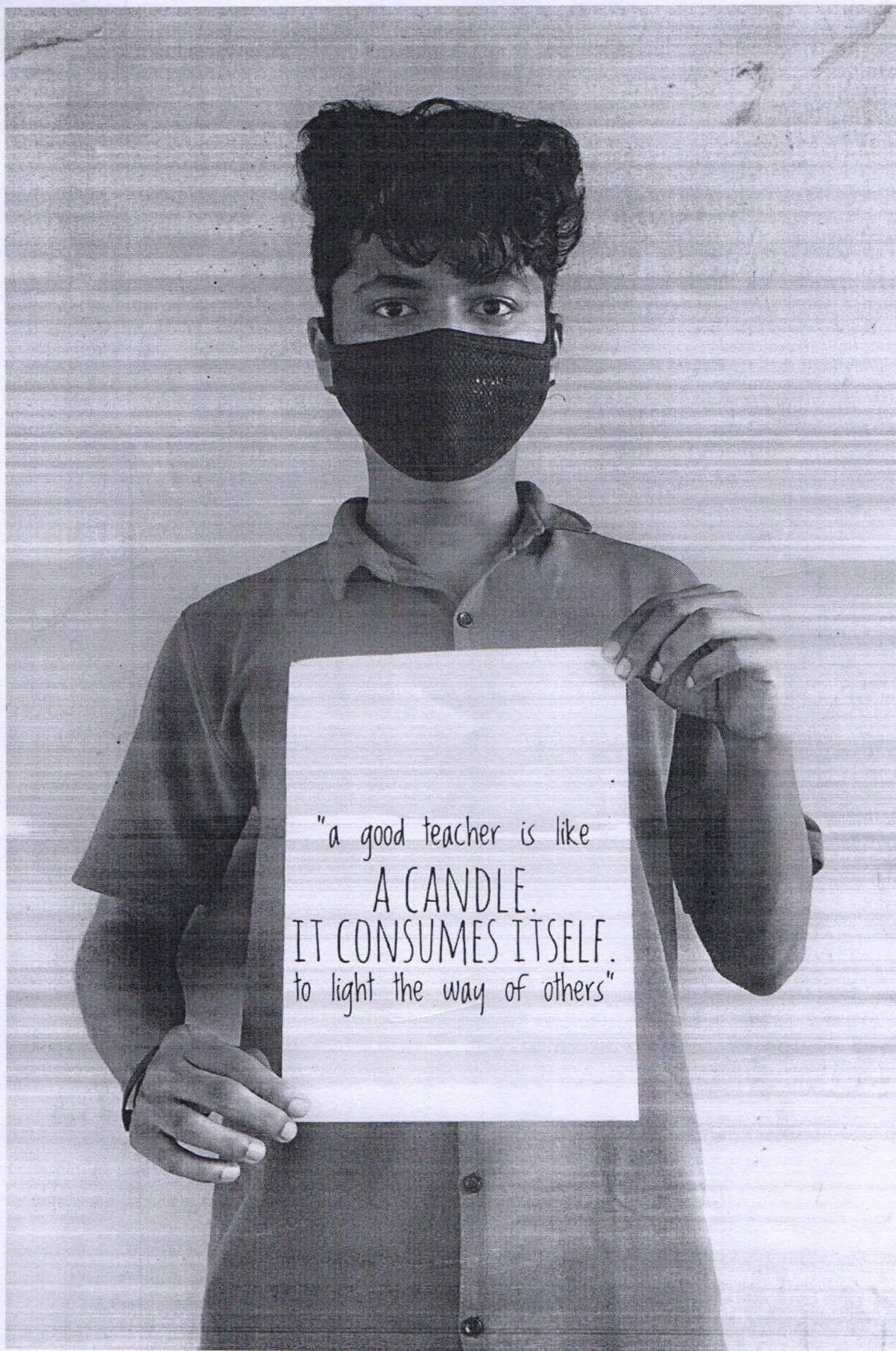
Nehru College of Engineering & Research Centre  
Pampady, Thrissur - 680588



Principal

NCERC, Pampady





"a good teacher is like  
A CANDLE.  
IT CONSUMES ITSELF.  
to light the way of others"

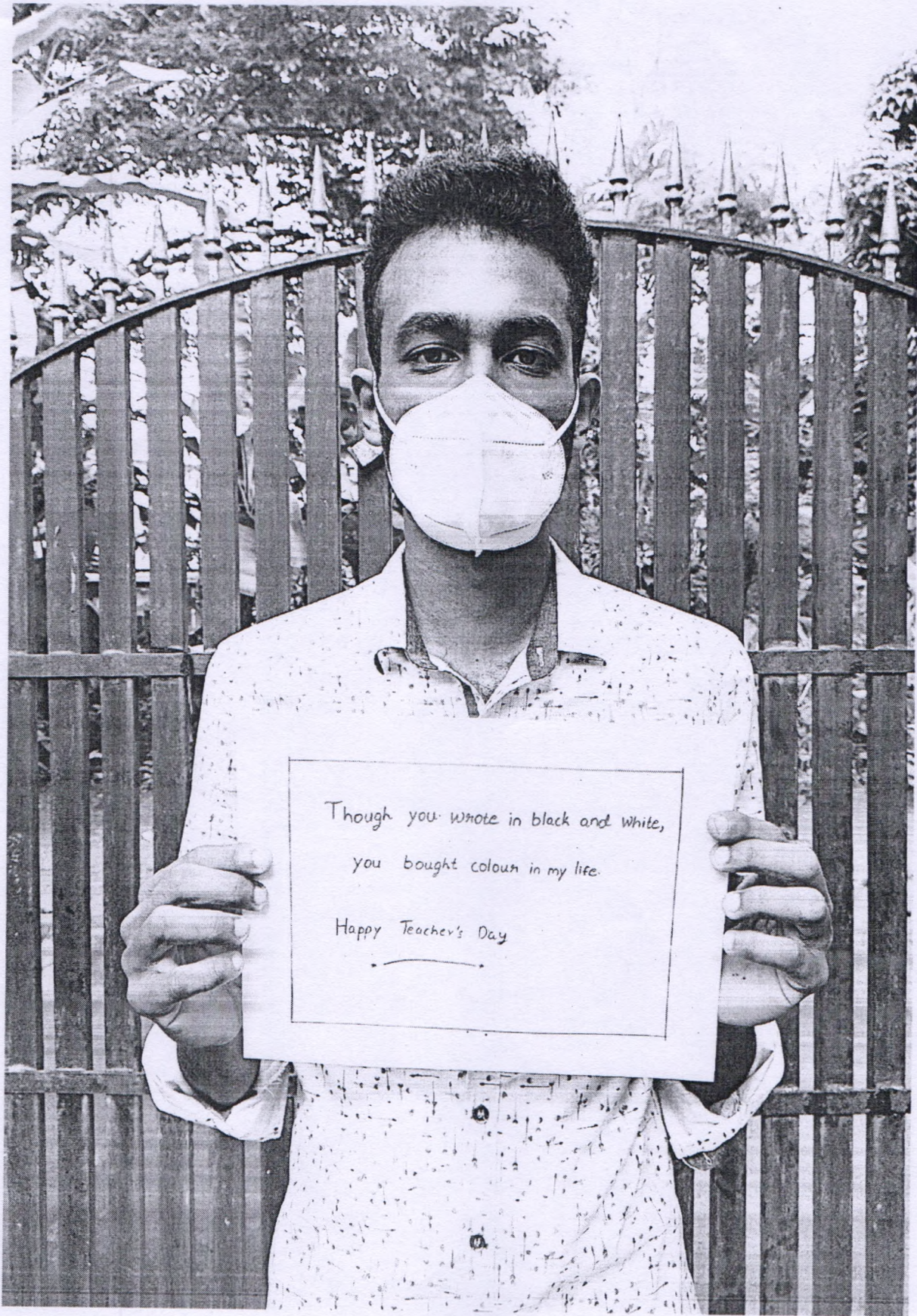
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✓



Though you wrote in black and white,  
you bought colour in my life.

Happy Teacher's Day

Ch



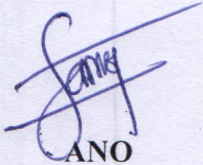
**NEHRU COLLEGE OF ENGINEERING & RESEARCH CENTRE**  
**(NAAC Accredited)**  
**PAMPADY, THIRUVILWAMALA, THRISSUR – 680588**

An overview of SSB

The interactive session conducted by Jawaharlal college of engineering and Nehru college of engineering and research center “An overview of SSB” by ex-commandant and President of service selection board, Bhopal, Maj. Gen. Anil Shukla on 11<sup>th</sup> September briefed about the whole selection procedure conducted by the selection board. It was very informative and useful because many of the cadets lack the knowledge of armed forces. The basic introduction to various job opportunities in defence as an officer was explained to us by Mr. Aswin Raj from Indian Combat. This also helped us to understand the career options in defence

Majority of our cadets participated in the online session with great enthusiasm and raised valuable questions. All the doubts and misunderstandings about SSB and armed forces got cleared during this interactive session.

It was a good experience for all cadets aspiring defence as a career.



ANO


**NCERC, Pampady**  
(Associate NCC Officer (Army))  
23(k) Bn NCC

Nehru College of Engineering & Research Centre  
Pampady, Thrissur - 680588



Principal

NCERC, Pampady





NEHRU COLLEGE OF ENGINEERING | JAWAHARLAL COLLEGE OF  
AND RESEARCH CENTRE | ENGINEERING AND TECHNOLOGY



27(K) BN NCC PALAKKAD  
23(K) BN NCC THRISSUR



# INDIAN COMBAT

*Presents*  
*An interactive session*

## " An Overview of SSB "



### MAJ GEN ANIL SHUKLA

Ex-Commandant & President,  
Selection Centre Central Bhopal



11th September 2021  
3:00 PM

GOOGLE MEET



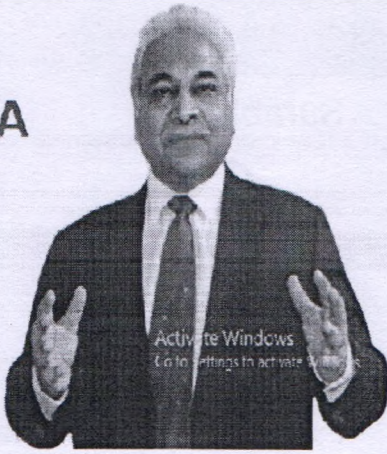
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SSB AWARENESS SESSION 15

# AN OVER VIEW OF SERVICE SELECTION BOARD

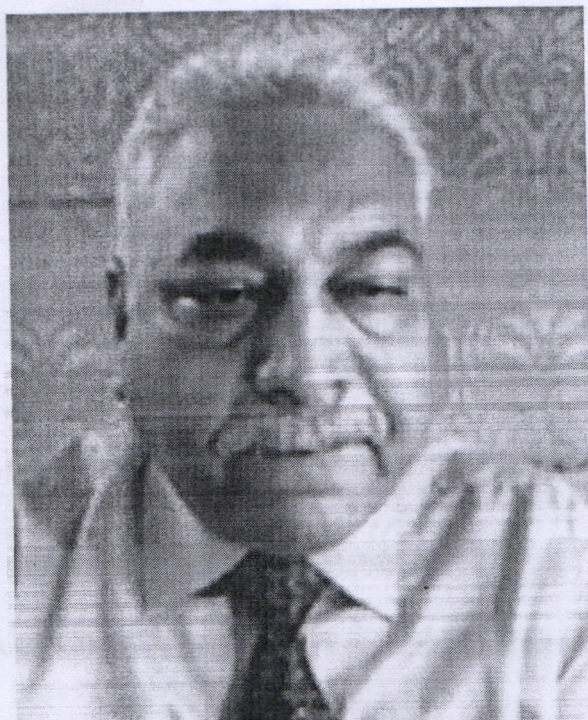
**MAJ GEN ANIL KUMAR SHUKHLA**  
DIPR, CERTIFIED ASSESSOR AND EX-INTERVIEWING OFFICER



*cd*



Surabhi Raj

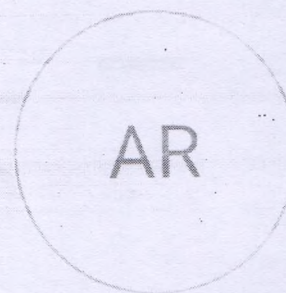


maj gen a k shukla



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NEHRU GROUP OF ... (host)

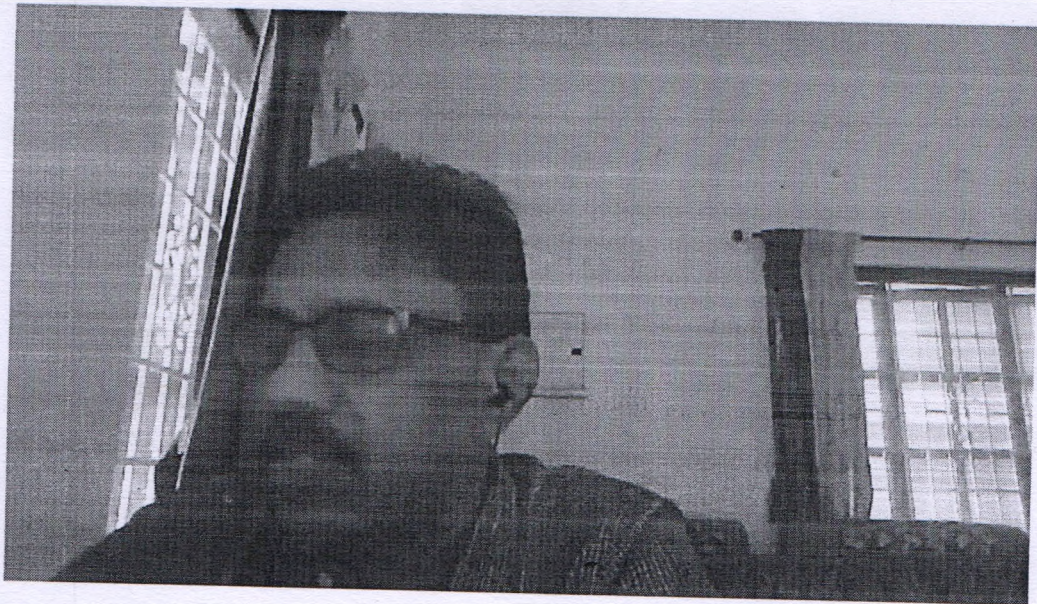


Aswin Raj



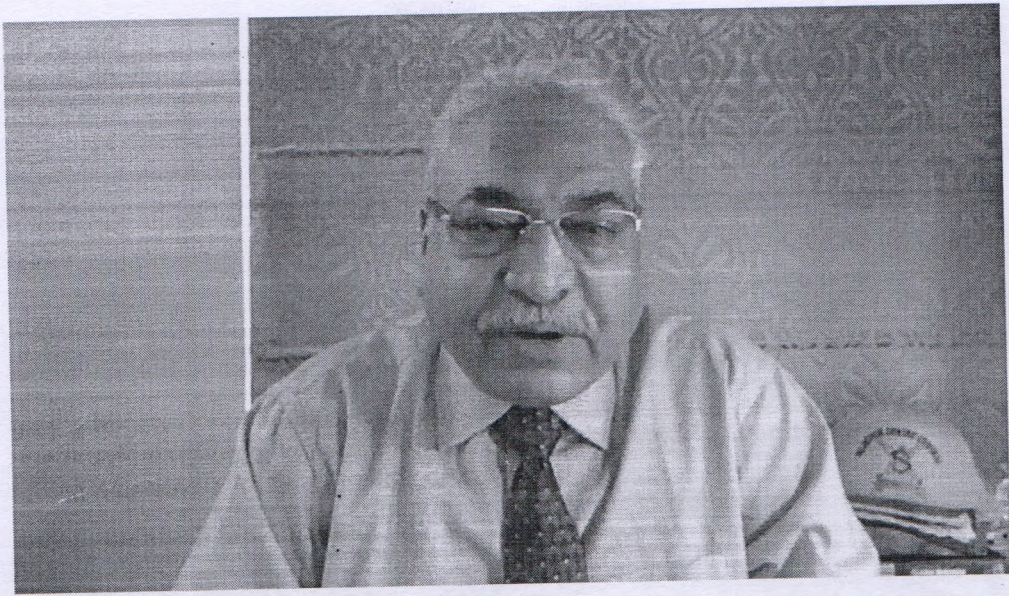


Webex ▾



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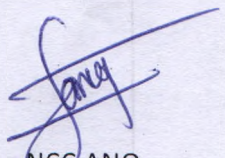
**INTERNATIONAL DAY AGAINST DRUG ABUSE AND ILLICIT TRAFFICKING--- 26 JUNE 2021**

International day against Drug abuse and illicit trafficking was conducted on 26 June 2021. We , NCC Cadets of Nehru College of Engineering and Research centre , conducted the day individually in our own places respecting all the covid-19 pandemic restrictions.

Cadets designed posters against drug abuse. They also designed placards and created drawings to make voice against drugs. All of the designs were shared to other students by making video of it.

All events were conducted in presence of Lt Sanoj T, NCC ANO, NCERC, PAMPADY by respecting all the covid-19 protocols.

On the day we commemorated Lin Zexu's dismantling of the opium trade in Humen ,Guangdong, ending in June 25 1839, just before the first opium war in China.



NCC ANO

**Lt.SANOJ T**

(Assistant NCC Officer (Army))

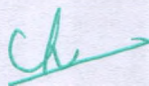
23(k) Bn NCC

Nehru College of Engineering & Research Centre  
Pampady. Thrissur - 680588



Princip al

NCERC, Pampady



# Nehru College of Engineering and Research Centre



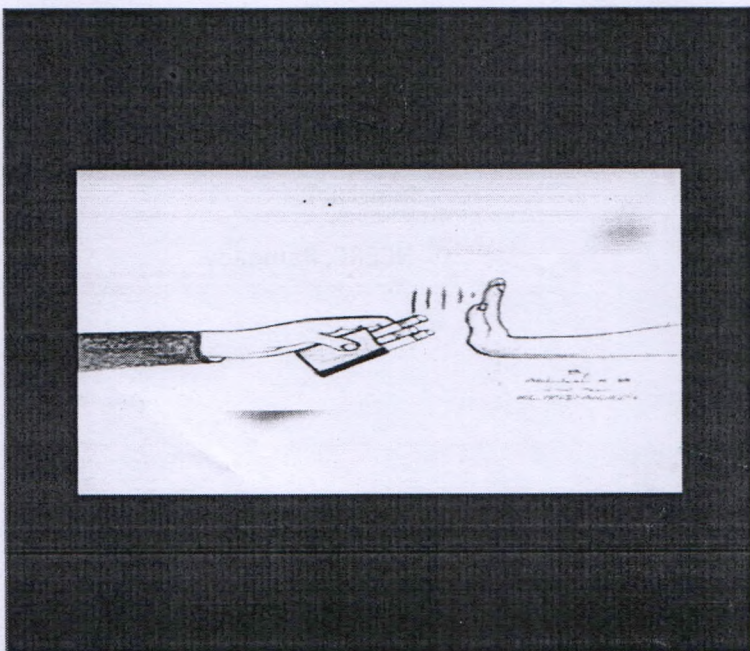
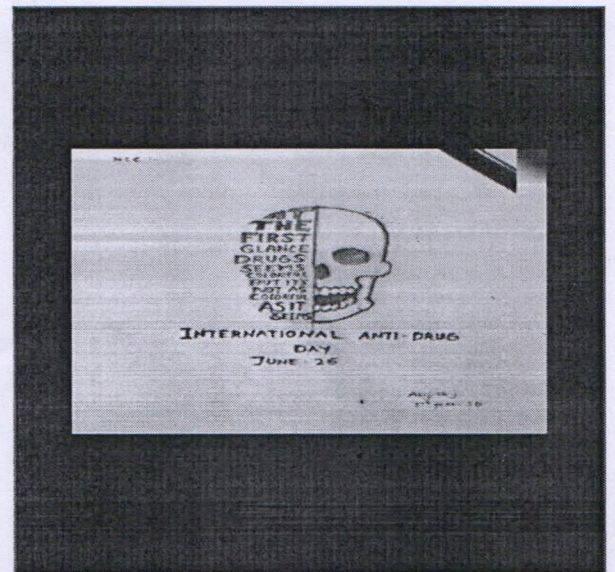
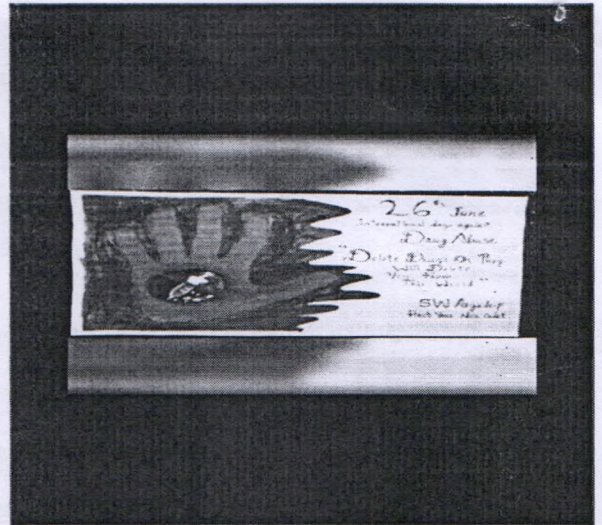
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Approved by AICTE, Affiliated to APJ Abdul Kalam Technological University, Kerala  
Pampady, Thiruvivamala, Thrissur 680588



## INTERNATIONAL DAY AGAINST

# DRUG ABUSE

### 26TH JUNE



Ch



## DEPARTMENT OF MECHANICAL ENGINEERING

### Teaching and Learning Process

Albeit majority of the student community is from the rural background, teaching process is adopted in a way that maximum attainment of the student is targeted in terms of overall technical outcome. Following are the various pedagogical and instructional approaches for effective teaching process.

**a. Class room teaching:** Class room teaching is initiated by a well-structured lesson plan which is developed by the concerned faculty and is screened by the HOD. All the faculty members are instructed to take up detailed introductory classes with a detailed discussion on course outcomes. Faculty members are also undertaking NPTEL online certification courses for upgrading their class room teaching skills. To further enhance effective learning environment in the class room meditation is practiced for 10 min in the first hour of all working days.

**b. Continues assessment in laboratory:** Continues assessment methodology is implemented in all the practical courses, i.e., all the laboratories via daily experimental observations, daily performance and record submission. Viva voce is taken up and design of experiment is demonstrated before the experimentation, to ensure students understanding level on theoretical and practical concepts.

**c. Student Counselling:** Counselling is done in the view of the student's career, curricular and extracurricular activities. Faculties act as counsellors to guide and motivate student towards their career development.

**d. Contents beyond the curriculum:** To enhance the course outcomes, additional experimentations have been incorporated in the laboratory courses and appropriate concepts in the theory classes have been also covered using several teaching learning methods.

**e. Lecture Notes:** A detailed learning notes for each unit is prepared by respective course faculty according to the prescribed syllabus before the commencement of the individual semester class work.

**f. Question Bank:** Question banks are prepared for each unit in the course based on the course objectives and considering the nature of the university question papers. The previous question papers of University are also maintained in the course files. Question banks are made available in the e-Learning portal and course files.



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**g. PPTs:** Power Point Presentations are prepared by the respective course faculty for typical topics for better and easy understanding of the student.

**h. Assignments:** Assignment questions are framed based on the attainment of the Course Outcomes and Program Outcomes such that it reflects the Bloom's Taxonomy.

**i. Tutorials:** More numericals are practiced in the tutorials to enhance problem solving skills among the students.

**j. Remedial Classes:** After mid-I evaluation, weaker students are identified and remedial classes are conducted to improve their performance.

**k. Online Student Feedback:** Online student feedback is taken after three weeks from the commencement of class work to further improve teaching learning environment within the class room.

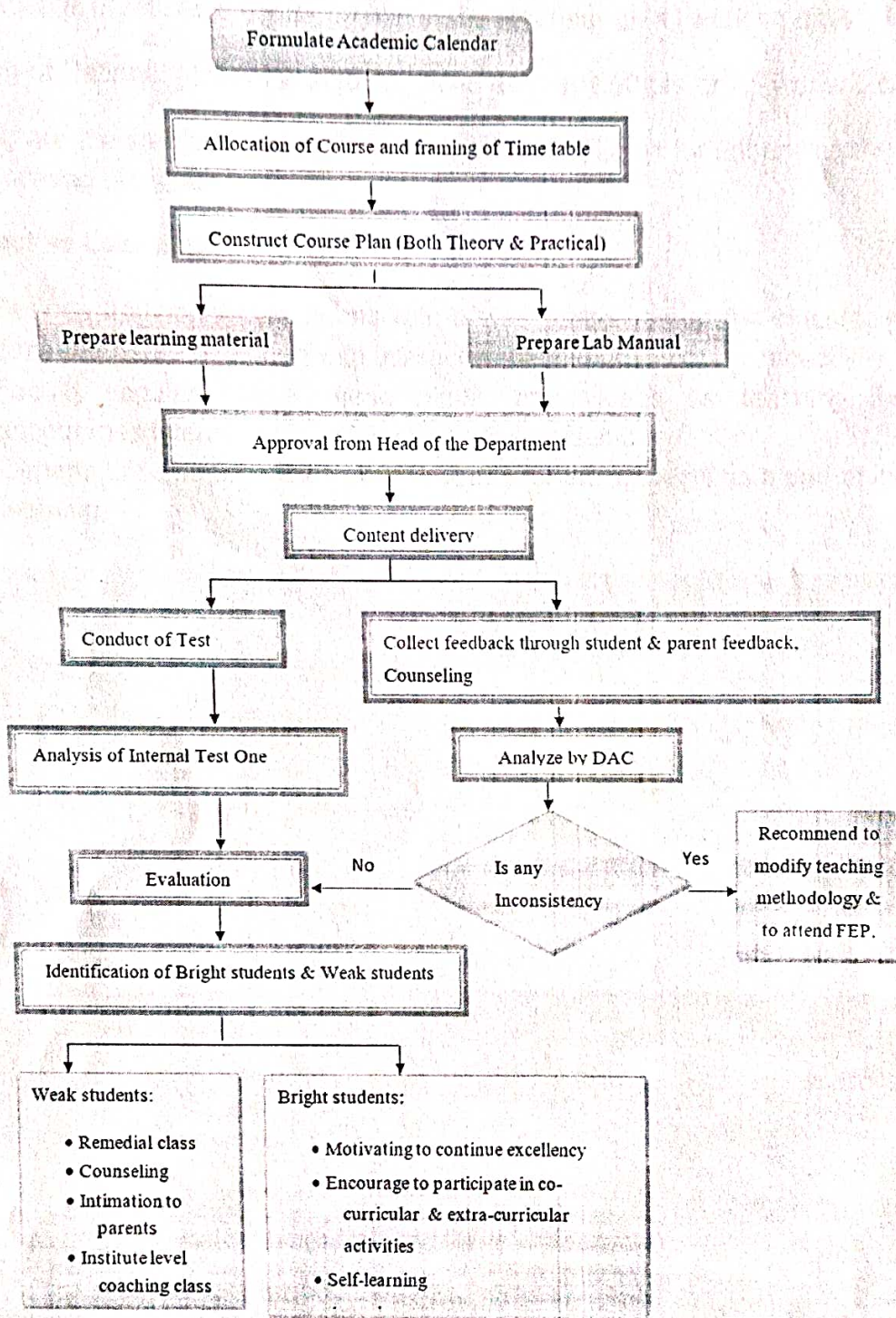


Figure 2.2.1a Teaching and Learning Process Flow Chart

To ensure effective teaching learning environment, the following are the initiatives taken by the department.

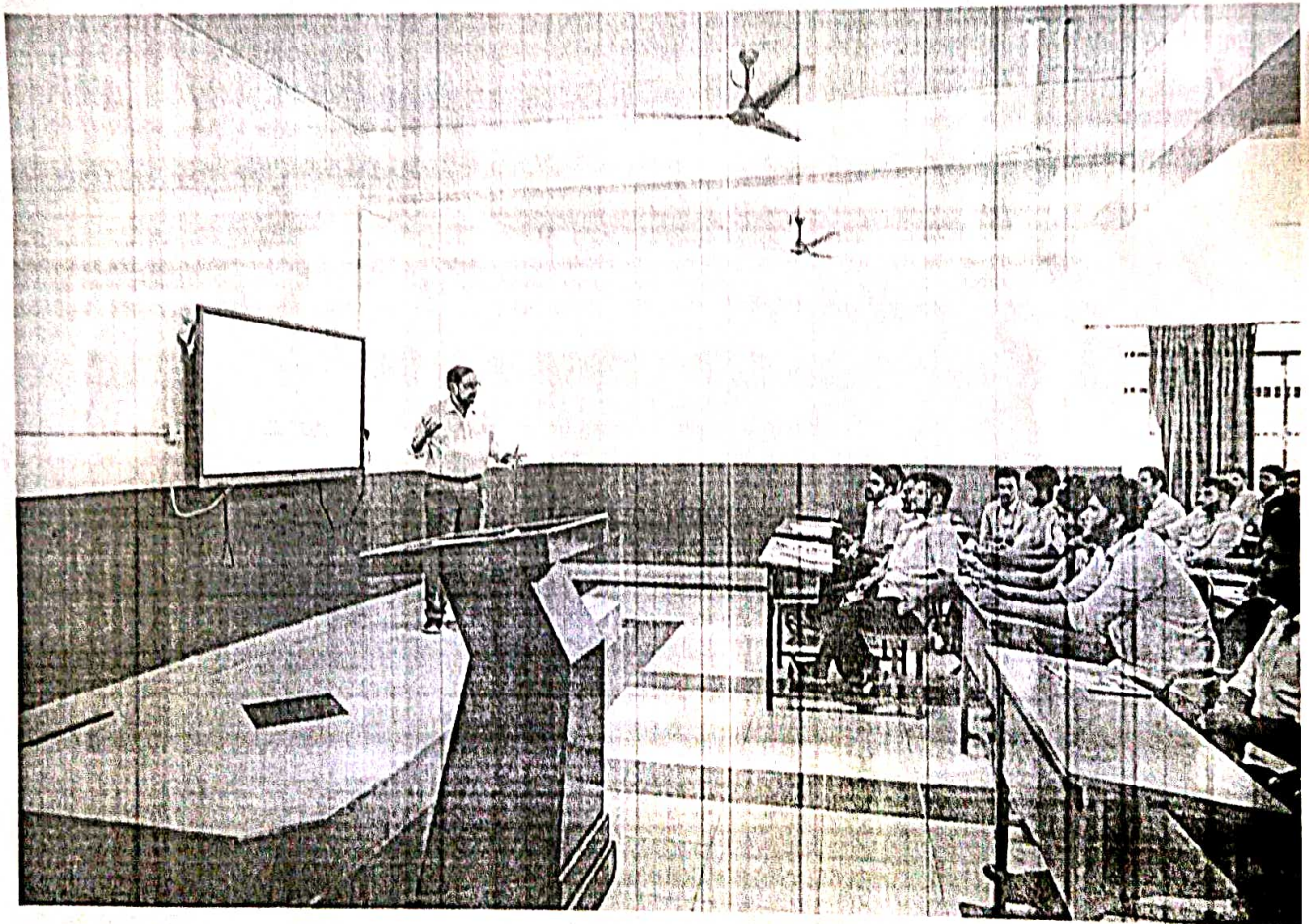


1. Meditation is practiced daily for 05 min in the first hour on all working days.
2. Singing of National anthem is also practiced daily at 4.00 pm on all working days.

Following are the various practices/modes that are facilitated for enhancing the learning process among the students.

#### a. Interactive Learning

- Besides traditional classrooms with a blackboard, few of the classrooms in the department are equipped with Interactive panel and internet connectivity.
- Faculty regularly uses presentations and videos as teaching tools and encourages interactive learning among the students.
- Department also organizes guest lectures for the students as a part of interactive learning.



*Figure 2.2.1b Interactive Teaching Learning process using Interactive panel*



### b. Collaborative Learning

- Faculty facilitate discussions on important concepts within the classroom to encourage combined learning.
- Faculty regularly organize seminars, group discussions and competitions to encourage collaborative learning among the students

### c. Independent Learning

- **E-Learning:** The central library has a vast collection of books, journals, magazines, e- books, project reports, etc.

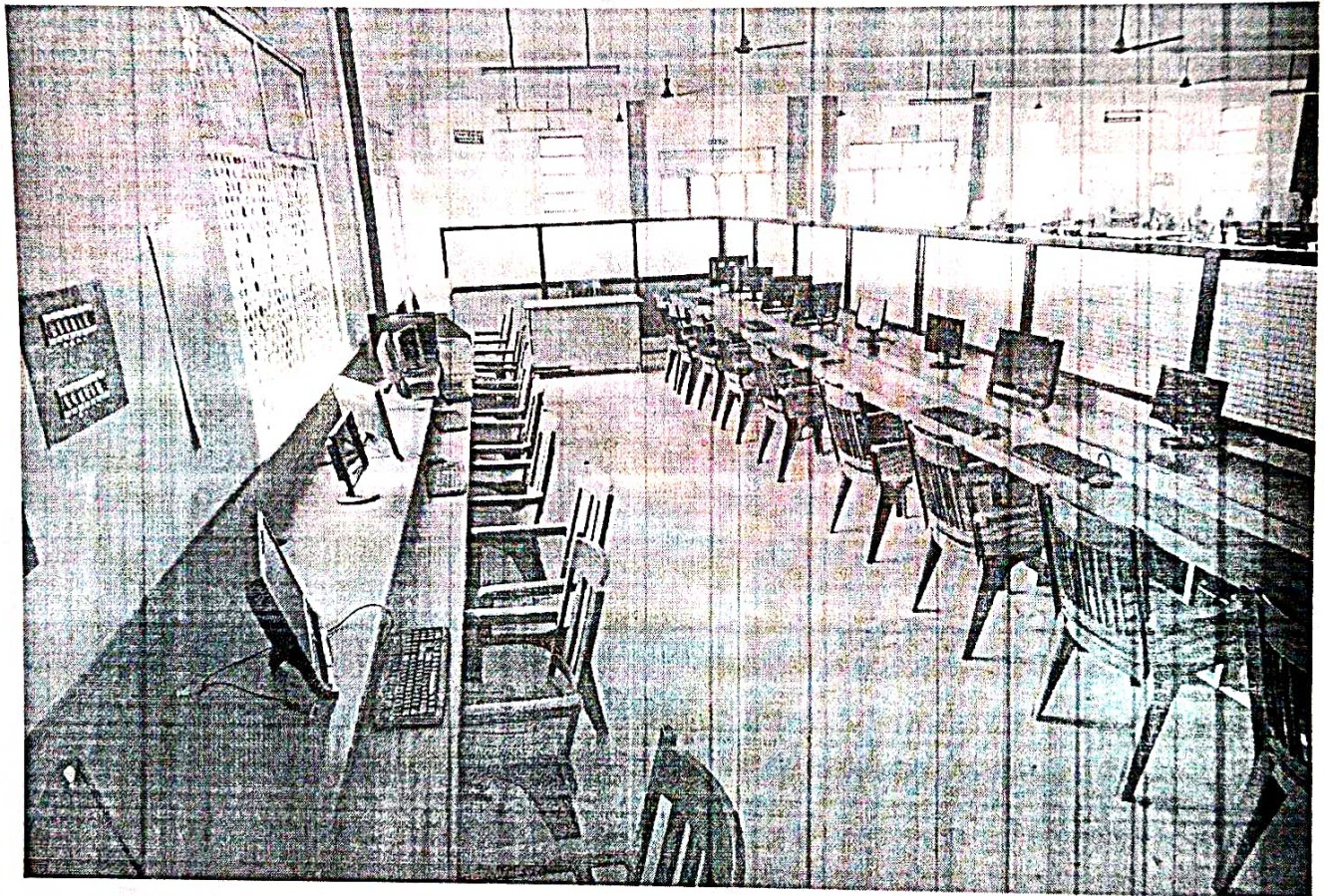


Figure 2.2.1c Independent Learning using Digital Library



*Figure 2.2.1d Independent Learning using Library*

- **NPTEL based learning:** NPTEL based online courses are attended by the faculty for enhancing their teaching skills and smooth conduct of the teaching process in the regular class room teaching. Some of the interested faculty are supported to register for the NPTEL program/subject online certification course of their own areas of teaching and research interests. Similarly, students are supported with NPTEL video lectures in the central digital library and a data bank of the CD's of all the NPTEL courses are made available in the department library. Additionally, interested students are also encouraged to register for NPTEL certification courses for enhancing the potential concepts much effectively.




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**Elite**

**NPTEL Online Certification**  
(Funded by the Ministry of HRD, Govt. of India)



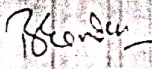
827 4321

This certificate is awarded to  
**AJAY KRISHNA J**  
for successfully completing the course  
**Product Design and Development**  
with a consolidated score of **76 %**

Online Assignments	20.75/25	Proctored Exam	55.5/75
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Total number of candidates certified: 770

Feb-Mar 2017  
(4 week course)



Prof. B. K. Gandhi  
Coordinator, Continuing Education Centre  
NPTEL Coordinator, IIT Roorkee

Indian Institute of Technology Roorkee

Roll No: NPTEL17ME16S1430042

To validate and check scores, visit <http://npTEL.ac.in/noc>

Figure 2.2.1e NPTEL online certification



# NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE

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## DEPARTMENT OF MECHANICAL ENGINEERING

Delivery methods for courses

Sl.No	Class	Course Code	Course	Lecture	PPT	Seminar	Tutorial	Assignment	Group Activities	Industrial Training / visit	NPTTEL Videos	Models / Demo	Mini Project / Project	
1	S8 ME	ME402	Design of Machine Elements II	Y			Y	Y			Y			
2		ME404	Industrial Engineering	Y	Y			Y						
3		ME476	Material Handling & Facilities Planning	Y	Y	Y		Y			Y			
4		IE488	Total Quality Management	Y	Y	Y		Y			Y			
5		ME492	Project			Y				Y			Y	Y
6	S7 ME	ME401	Design of Machine Elements I	Y	Y		Y	Y			Y			
7		ME403	Advanced Energy Engineering	Y	Y			Y						
8		ME405	Refrigeration and Air Conditioning	Y	Y	Y	Y	Y			Y			
9		ME407	Mechatronics	Y	Y	Y	Y	Y			Y			
10		ME409	Compressible Fluid Flow	Y	Y		Y	Y						
11		ME463	Automobile Engineering	Y	Y			Y				Y	Y	
12		IE306	Supply Chain and Logistics Management	Y	Y			Y				Y		
13	ME451	Seminar & Project Preliminary			Y				Y			Y	Y	
14	ME431	Mechanical Engineering Lab		Y					Y			Y		
15	ME302	Heat & Mass Transfer		Y			Y	Y						
16	ME304	Dynamics of Machinery		Y	Y		Y	Y						
17	ME306	Advanced Manufacturing Technology		Y	Y			Y			Y	Y		
18	ME308	Computer Aided Design and Analysis		Y	Y			Y				Y		
19	ME312	Metrology and Instrumentation		Y	Y			Y						
20	ME366	Advanced Metal Joining Technology		Y	Y			Y						
21	ME368	Marketing Management		Y	Y			Y						
22	ME376	Maintenance Engineering		Y	Y			Y						
23	ME332	Computer Aided Design and Analysis Lab		Y	Y				Y			Y		
24	ME334	Manufacturing Technology Lab II		Y	Y				Y			Y		
25	ME352	Comprehensive Exam		Y	Y				Y			Y		





# NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE

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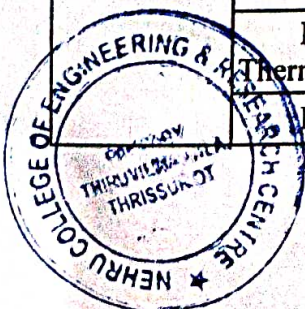
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## DEPARTMENT OF MECHATRONICS INSTRUCTIONAL METHODS



Since 1968

SEMESTER	SUBJECT NAME & CODE	Classroom lectures	PPT	Seminars	Tutorial	Assignment	Videos (NPTEL and others)
S3	MR201 C Programming	✓	✓		✓	✓	✓
	EE209 Electrical Technology	✓	✓		✓	✓	✓
	EC209 Analog Electronics	✓	✓		✓	✓	✓
	MR205 Science of Measurements	✓	✓			✓	✓
S4	EC212 Linear Integrated Circuits and Digital Electronics	✓	✓			✓	✓
	ME200 Fluid Mechanics & Machinery	✓	✓		✓	✓	✓
	MR202 Sensors and Actuators	✓	✓	✓		✓	✓
	ME210 Metallurgy and Materials Engineering	✓	✓			✓	✓
S5	MR301 Linear Control Systems	✓			✓	✓	✓
	MR303 Microprocessors and Microcontrollers	✓	✓			✓	✓
	MR305 PLC and Data Acquisition Systems	✓	✓	✓		✓	✓
	MR307 Thermodynamics	✓	✓			✓	✓
	ME220	✓	✓			✓	✓



*[Signature]*  
PRINCIPAL

Nehru College of  
Engineering and Research Centre  
Pampady, Thiruvivamala, Thrissur Dt.  
Pin - 680 301, Kerala



# NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE

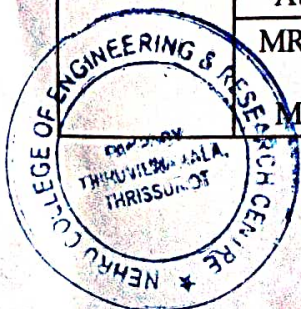
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## DEPARTMENT OF MECHATRONICS INSTRUCTIONAL METHODS



	Manufacturing Technology						
	MR363 Object Oriented Programming	✓	✓			✓	✓
	MR365 Composite Materials	✓	✓			✓	✓
S6	MR302 Robotics Engineering	✓	✓	✓		✓	✓
	MR304 Digital Image Processing and Machine Vision	✓	✓			✓	✓
	MR306 Mechanics of Solids	✓	✓			✓	✓
	MR308 Digital Manufacturing	✓	✓			✓	✓
	MR364 Energy Engineering Management	✓	✓			✓	✓
	AE403 Biomedical Instrumentation	✓	✓			✓	✓
S7	MR401 Advanced Automation Systems	✓	✓	✓		✓	✓
	MR403 Nanotechnology	✓	✓			✓	✓
	MR405 Embedded Systems	✓	✓			✓	✓
	MR407 Autotronics	✓	✓	✓		✓	✓
	MR409 Micro Electro Mechanical	✓	✓	✓		✓	✓



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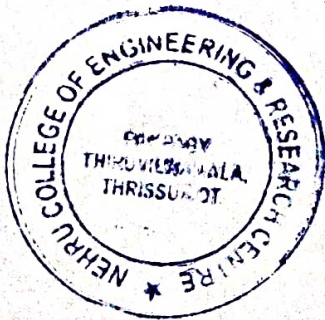
## DEPARTMENT OF MECHATRONICS INSTRUCTIONAL METHODS



	Systems						
	MR463 Bio Mechatronics	✓	✓			✓	✓
	MR465 Entrepreneurship	✓	✓	✓		✓	✓
S8	MR402 Soft Computing Techniques	✓	✓			✓	✓
	MR404 Power Electronics and Drives	✓				✓	✓
	MR464 Agile Manufacturing Systems	✓	✓			✓	✓
	MR462 Industrial Electronics and Applications	✓	✓			✓	✓

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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**INSTRUCTIONAL METHODS IN TEACHING LEARNING**

1. Class room lectures ( Chalk & board, Smart Board):
2. PPT
3. Seminars
4. Tutorials
5. Assignment
6. Videos ( NPTEL & others)
7. Group Discussions



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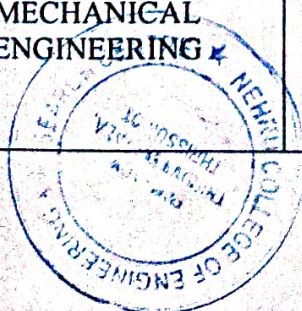
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
INSTRUCTIONAL METHODS IN TEACHING LEARNING

SI No	Course	Code	Class room lectures (Chalk & board, Smart Board)	PPT	Seminars	Tutorials	Assignment	Videos ( NPTEL & others)	Group Discussions
1	CALCULUS	MA101	Y			Y	Y		
2	ENGINEERING PHYSICS	PH100	Y			Y	Y		
3	ENGINEERING MECHANICS	BE100	Y	Y		Y	Y		
4	INTRODUCTION TO COMPUTING AND PROBLEM SOLVING	BE101-05	Y				Y		
5	INTRODUCTION TO SUSTAINABLE ENGINEERING	BE103	Y	Y			Y	Y	Y
6	BASICS OF ELECTRONICS ENGINEERING	EC100	Y	Y		Y	Y		
7	DIFFERENTIAL EQUATIONS	MA102							
8	ENGINEERING CHEMISTRY	CY100							
9	ENGINEERING GRAPHICS	BE110	Y	Y		Y	Y	Y	
10	DESIGN & ENGINEERING	BE102	Y	Y			Y	Y	Y
11	BASICS OF MECHANICAL ENGINEERING	ME100	Y	Y			Y	Y	Y



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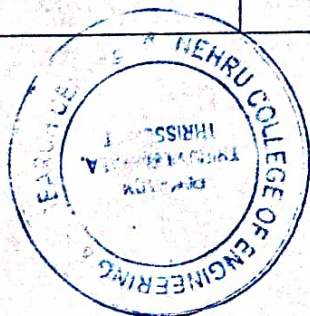


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12	BASICS OF ELECTRICAL ENGINEERING	EE100	Y	Y		Y	Y	Y	
13	LINEAR ALGEBRA & COMPLEX ANALYSIS	MA201	Y			Y			
14	DISCRETE COMPUTATIONAL STRUCTURES	CS201	Y			Y	Y		
15	SWITCHING THEORY AND LOGIC DESIGN	CS203							
16	DATA STRUCTURES	CS205	Y	Y		Y	Y	Y	
17	ELECTRONICS DEVICES & CIRCUITS	CS207	Y	Y		Y	Y	Y	
18	LIFE SKILLS	HS210	Y	Y		Y	Y	Y	Y
19	PROBABILITY DISTRIBUTIONS, TRANSFORMS AND NUMERICAL METHODS	MA202	Y	Y		Y	Y	Y	
20	COMPUTER ORGANIZATION AND ARCHITECTURE	CS202	Y	Y		Y	Y	Y	
21	OPERATING SYSTEMS	CS204	Y	Y		Y	Y	Y	Y
22	OBJECT ORIENTED DESIGN AND PROGRAMMING	CS206	Y	Y		Y	Y	Y	
23	PRINCIPLES OF DATABASE DESIGN	CS208	Y	Y		Y	Y	Y	
24	BUSINESS ECONOMICS	HS200		Y		Y	Y	Y	



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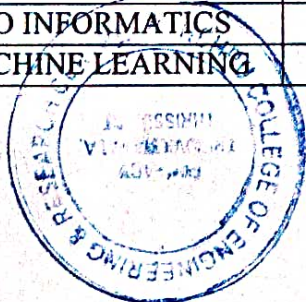


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25	THEORY OF COMPUTATION	CS301		Y		Y	Y	Y	
26	SYSTEM SOFTWARE	CS303	Y	Y			Y	Y	
27	MICROPROCESSOR AND MICROCONTROLLERS	CS305	Y	Y			Y		
28	DATA COMMUNICATION	CS307		Y		Y	Y	Y	
29	GRAPH THEORY AND COMBINOTRICS	CS309	Y	Y	Y		Y	Y	
30	SOFT COMPUTING	CS361		Y			Y		
31	DESIGN PROJECT	CS341		Y		Y			
32	DESIGN AND ANALYSIS OF ALGORITHMS	CS302		Y		Y	Y		
33	COMPILER DESIGN	CS304	Y	Y			Y		
34	COMPUTER NETWORKS	CS306	Y	Y		Y	Y	Y	
35	SOFTWARE ENGG. & PROJECT MANAGEMENT	CS308	Y	Y		Y	Y	Y	
36	PRINCIPLES OF MANAGEMENT	HS300	Y	Y			Y	Y	
37	MOBILE COMPUTING	CS364	Y	Y			Y	Y	
38		CS368	Y	Y			Y	Y	
39	COMPREHENSIVE EXAM	CS352		Y		Y			Y
40	COMPUTER GRAPHICS	CS401		Y			Y	Y	
41	PROGRAMMING PARADIGM	CS403	Y	Y	Y		Y	Y	Y
42	COMPUTER SYSTEM ARCHITECTURE	CS405	Y	Y	Y		Y	Y	
43	DISTRIBUTED COMPUTING	CS407	Y	Y	Y		Y	Y	
44	CRYPTOGRAPHY AND NETWORK SECURITY	CS409	Y	Y	Y		Y	Y	
45	BIO INFORMATICS	CS465		Y			Y		
46	MACHINE LEARNING	CS467	Y	Y			Y	Y	



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47	SEMINAR AND PROJECT PRILIMINARY	CS451		Y	Y			Y	Y
48	DATA MINNING AND WAREHOUSING	CS402		Y				Y	
49	EMBEDDED SYSTEMS	CS404	Y	Y				Y	
50	ARTIFICIAL INTELLIGENCE	CS464	Y	Y		- Y	Y	Y	Y
51	PRINCIPLES OF INFORMATION SECURITY	CS472	Y	Y	Y		Y	Y	Y
52	PROJECT	CS492		Y	Y			Y	Y



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