



National Education Society (R.)

**J N N College of Engineering, Shivamogga**

(Approved by AICTE, New Delhi, Certified by UGC 2f & 12B, Accredited by NAAC –'B', UG programs: CE, ME, EEE, ECE, CSE, ISE, TCE accredited by NBA: 1.7.2019 to 30.6.2022, Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi)



**Department of Electronics & Communication Engineering**  
**Department of Electronics & TeleCommunication Engineering**  
**Schedule for Two weeks Skill Development Program**

**Target Participants: 5<sup>th</sup> sem E & C and ETE students**

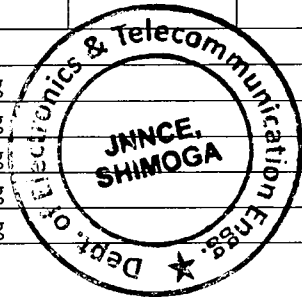
**Course Outcomes**

**At the end of the course the students will be able to:**

CO1	implement the algorithms for solving the Mathematical & Engineering problems	PO1, PO2, PO3, PO4, PO5, PO12
CO2	design any embedded system using Advanced Microcontrollers	PO1, PO2, PO3, PO4, PO5, PO12
CO3	demonstrate both written and oral communication skills	PO8, PO9, PO10
CO4	solve aptitude and reasoning based problems	PO1, PO2, PO3, PO4, PO12

**Schedule**

Sl No	Date/ timings	9:30am to 11:am	11:30 am to 12:00 am	12:00pm to 1:30 pm	1:30 to 2:30 pm	2:30 to 4:30 pm
1	27/09/21	C Programming-Theory	TEA BREAK	C Programming-Theory	LUNCH BREAK	Hands on session
2	28/09/21	C Programming-Theory		C Programming-Theory		Hands on session
3	29/09/21	C Programming-Theory		C Programming-Theory		Hands on session
4	30/09/21	Session / Demo on Micro Controller- Arduino UNO		Hands on session		Hands on session
5	01/10/21	Session / Demo on Micro Controller- Node MCU		Hands on session		Hands on session
6	02/10/21	Session / Demo on Micro Controller- Raspberry pi		Hands on session		Hands on session
<b>2:30 PM to 4:30 PM</b>						
7	04/10/21	Aptitude & Reasoning				
8	05/10/21	Aptitude & Reasoning				
9	07/10/21	Aptitude & Reasoning				
10	08/10/21	Aptitude & Reasoning				
11	09/10/21	Aptitude & Reasoning				
<b>Resource Persons :</b> <b>Dr.Sankhya Nayak</b> Associate Professor, Dept. of CSE ,JNNCE,Shivmogga <b>Mr.Girish Mantha</b> Assistant Professor, Dept. of ISE ,JNNCE,Shivmogga <b>Mr.Benak Patel M P</b> Assistant Professor, Dept. of ISE ,JNNCE,Shivmogga <b>Mr.Vidya Shankar M</b> Assistant Professor, Dept. of EEE ,JNNCE,Shivmogga			<b>Coordinators:</b> <b>Ms. Ujwala B S</b> Asst. professor, Dept of ECE, JNNCE, Shivamogga <b>Ms. Nalina S B</b> Asst. professor, Dept of ECEJNNCE, Shivamogga <b>Ms. Sumathi K</b> Asst. professor, Dept of ECEJNNCE, Shivamogga <b>Ms. Ashwini S R</b> Asst. professor, Dept of ETE,JNNCE ,Shivamogga			



Dr. S. V Sathyanarayana  
**HOD**  
 Dept. of ECE

Dr. Ushadevi M B  
**HOD**  
 Dept. of ETE



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## **Department of Electronics and Telecommunication Engineering**

### **Report on Two - week Skill Development Program**

Dept of ECE has organized Two - week Skill Development Program on C Programming-Theory, Arduino Uno, Node MCU and Raspberry Pi for 5<sup>th</sup> semester students from 27/9/2021 upto 9/10/21. The SDP was mainly focused to improve the technical skills of students so as to improve the knowledge and also the placement activities as well. During first three days C programming was taught with coding skills by the resource person Mr. Girish Mantha, Asst Prof ISE Dept, JNNCE. The theory sessions were engaged in forenoon and practical sessions in the afternoon.

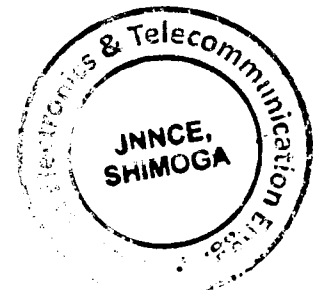
During next three days Arduino Uno, Node MCU and Raspberry Pi was taught by the resource persons Mr. Benak Patel M P Asst Prof Dept ETE, Mr. Vidyashankar M, Asst Prof, Dept EEE and Mr. Prashanth G.S Asst Prof. Dept ECE. During forenoon sessions demo sessions were carried out and in afternoon students experienced the hands on training.

The Aptitude and reasoning training was given by Dr. Sankhya Nayak, Associate Professor, Dept of CSE from 4/10/21 to 9/10/21 during afternoon sessions.

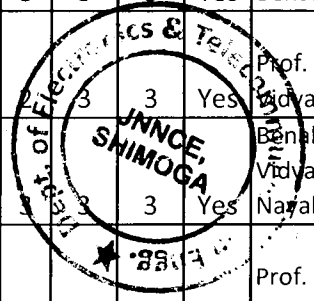
The entire program had overwhelming response with 36 students from ETE Dept, 90 students from ECE Dept, total 106 students participation both branches.

The program was organized by the Ashwni S R, Asst. Prof., ETE dept. and Dr. S.V. Sathyanarayana Professor and Head, Dept of ECE

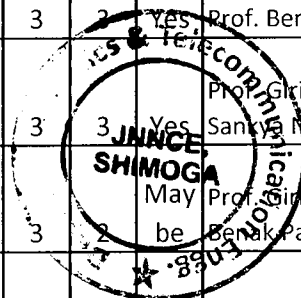
We thank our management, Principal for extending their support for the successful conduction of the program.



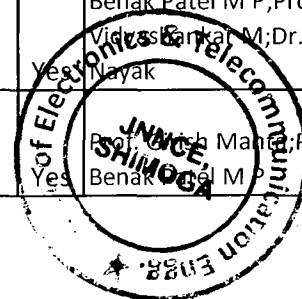
email	Name	USN	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
sunaina9apr1997@gmail.com	SUNAINA NAGARAJ	4JN15ET350	2	2	3	3	2	3	2	3	3	3	3	Yes	Benak Patel M P;Prof. Vidyashankar M;Dr. Sankya Nayak	May be	Nothing
harshithabeleyur@gmail.com	HARSHITA B R	4JN18ET001	3	3	3	3	2	3	2	3	2	3	3	Yes	Prof. Girish Manta;Prof. Benak Patel M P	Yes	good
bindurani.ap@gmail.com	BINDU RANI A P	4JN18TE010	2	3	2	3	3	2	3	3	2	3	3	Yes	Prof. Benak Patel M P;Prof. Vidyashankar M	Yes	
pavans1962@gmail.com	PAVAN S	4JN18TE026	3	3	3	3	3	3	3	3	3	3	3	Yes	Prof. Benak Patel M P;Prof. Vidyashankar M	Yes	very good
praveensnaik37@gmail.com	PRAVEEN H S	4JN18TE031	3	3	3	3	3	3	3	3	3	3	3	Yes	Prof. Girish Manta;Prof. Benak Patel M P	Yes	
rajathmirajkar2012@gmail.com	RAJATH M R	4JN18TE033	3	3	3	3	3	3	3	3	3	3	3	Yes	Benak Patel M P;Prof. Vidyashankar M;Dr. Sankya Nayak	Yes	good program
agasthyaabhi2001@gmail.com	ABHISHEK K	4JN19ET001	3	3	3	3	3	3	3	3	3	3	3	Yes	Benak Patel M P;Prof. Vidyashankar M;Dr. Sankya Nayak	Yes	conduct more programs
ghar.smg@gmail.com	ADEEBA AYMEN I	4JN19ET002	3	2	3	2	2	3	2	3	3	3	3	Yes	Prof. Girish Manta;Prof. Benak Patel M P	Yes	
akshithampavithram@gmail.com	AKSHITHA M	4JN19ET003	3	2	3	2	3	2	3	3	3	3	3	Yes	Prof. Benak Patel M P;Prof. Vidyashankar M	Yes	
anjands554@gmail.com	ANJAN D S	4JN19ET004	3	3	3	3	3	3	3	3	3	3	3	Yes	Benak Patel M P;Prof. Vidyashankar M;Dr. Sankya Nayak	May be	
mkotyanvitha8@gmail.com	ANVITHA K M	4JN19ET005	3	2	3	2	3	2	2	2	3	3	3	Yes	Prof. Girish Manta;Prof. Benak Patel M P	Yes	



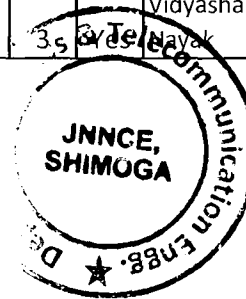
apoorva.rv15@gmail.com	APOORVA R V	4JN19ET006	3	3	3	3	3	3	3	3	3	3	3	3	Yes	Benak Patel M P;Prof. Vidyashankar M;Dr. Sankya Nayak	Yes	good
bhoomikasiddesh2000@gmail.com	BHOOMIKA H S	4JN19ET007	3	3	3	3	3	3	3	3	3	3	3	3	Yes	Prof. Benak Patel M P;Prof. Vidyashankar M	Yes	need more classes on microcontrollers
boomikssrb@gmail.com	BHOOMIKA S	4JN19ET008	2	2	2	2	2	2	2	1	2	1	1	No	Prof. Benak Patel M P	No	more subject required	
bhumikaty01@gmail.com	BHOOMIKA T Y	4JN19ET009	3	3	3	3	3	3	3	3	3	3	3	Yes	Benak Patel M P;Prof. Vidyashankar M;Dr. Sankya Nayak	Yes		
bhumikasgaler42@gmail.com	BHUMIKA S G	4JN19ET010	2	1	2	1	2	2	1	2	2	2	2	No	Prof. Benak Patel M P	No	time was too lengthy	
tthdeekshaas@gmail.com	DEEKSHA A S	4JN19ET011	3	3	3	3	3	3	3	3	3	3	3	Yes	Prof. Girish Manta;Prof. Benak Patel M P	Yes	nil	
deekshavsalian@gmail.com	DEEKSHA V	4JN19ET012	3	3	3	3	3	3	3	3	3	3	3	Yes	Prof. Girish Manta;Prof. Benak Patel M P	Yes	no	
rharishma921@gmail.com	HARISHMA R	4JN19ET013	3	3	3	3	3	3	3	3	3	3	3	Yes	Prof. Benak Patel M P	Yes	good	
harshajnazre@gmail.com	HARSHA J	4JN19ET014	3	3	3	3	3	3	3	3	3	3	3	Yes	Prof. Benak Patel M P	Yes	good	
impanab22@gmail.com	IMPANA B	4JN19ET015	3	3	3	3	3	3	3	3	3	3	3	Yes	Prof. Girish Manta; Dr. Sankya Nayak	Yes		
kavyanaikka64@gmail.com	KAVYA N NAIK	4JN19ET016	3	3	3	3	3	3	3	3	3	3	3	Yes	Prof. Girish Manta;Prof. Benak Patel M P	May be		
madhugd6361@gmail.com	MADHU G D	4JN19ET017	3	3	3	3	3	3	3	3	3	3	5	Yes	Prof. Benak Patel M P	Yes	good	



madhums2506@gmail.com	MADHU M S	4JN19ET018	3	2	2	2	3	2	2	3	3	2	2	May be	Prof. Girish Manta; Dr. Sankya Nayak	May be	
manasahs7s@gmail.com	MANASA H S	4JN19ET019	3	3	3	3	3	3	3	3	3	3	3	Yes	Prof. Girish Manta; Prof. Benak Patel M P	Yes	
meghanac3387@gmail.com	MEGHANA C	4JN19ET020	3	3	3	3	3	3	3	3	3	3	3	Yes	Prof. Benak Patel M P; Prof. Vidyashankar M	May be	nil
meghanagp1234@gmail.com	MEGHANA G P	4JN19ET021	3	3	3	3	3	3	3	3	3	3	3	Yes	Benak Patel M P; Prof. Vidyashankar M; Dr. Sankya Nayak	Yes	all classes were well conducted
icl17meghanam@gmail.com	MEGHANA M	4JN19ET022	2	3	3	3	3	3	3	3	3	3	3	Yes	Prof. Benak Patel M P; Prof. Vidyashankar M	Yes	
prathiksha929@gmail.com	PRATHIKSHA R BHAT	4JN19ET023	3	3	3	3	3	2	3	3	2	3	3	May be	Benak Patel M P; Prof. Vidyashankar M; Dr. Sankya Nayak	Yes	good
pratimanaik607@gmail.com	MEGHASHYAM NAIK	4JN19ET024	3	3	3	3	3	3	3	3	3	3	3	Yes	Prof. Vidyashankar M; Dr. Sankya Nayak	Yes	
preethijadavk@gmail.com	PREETHI JADAV K	4JN19ET025	3	3	3	3	3	3	3	3	3	3	2	May be	Prof. Vidyashankar M; Dr. Sankya Nayak	May be	
shriyarrvinayaka@gmail.com	R R SHRIYA	4JN19ET026	2	2	3	3	3	3	3	3	3	3	3	Yes	Prof. Benak Patel M P	Yes	no comments
shoaibrehman918@gmail.com	SHOAIB UR REHMAN	4JN19ET027	3	3	3	3	3	3	2	3	3	3	3	Yes	Benak Patel M P; Prof. Vidyashankar M; Dr. Sankya Nayak	Yes	
smritivantkar@gmail.com	SMRITI K VANTKAR	4JN19ET028	3	3	3	3	3	3	3	3	3	3	3	Yes	Benak Patel M P; Prof. Vidyashankar M; Dr. Sankya Nayak	Yes	
soujanyaask2001@gmail.com	SOUJANYA S K	4JN19ET030	3	3	3	3	3	3	3	3	3	3	3	Yes	Prof. Girish Manta; Prof. Benak Patel M P	Yes	good workshop



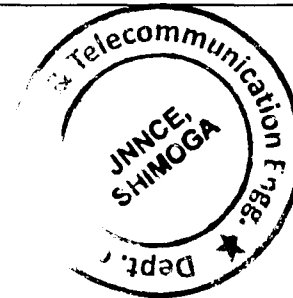
srujananekkanti8@gmail.com	SRUJANA N	4JN19ET031	2	3	3	3	3	2	3	3	3	3	3	Yes	Prof. Benak Patel M P	Yes		
drsuhask0@gmail.com	SUHAS D R	4JN19ET032	3	3	3	3	3	3	3	3	3	3	3	Yes	Prof. Girish Manta;Prof. Benak Patel M P	Yes		
sumedhasreedharhegde@gmail.com	SUMEDHA S HEGDE	4JN19ET033	3	2	3	2	3	3	3	3	2	2	2	May be	Prof. Girish Manta;Prof. Benak Patel M P	May be	time can be reduced	
suryavbhat20@gmail.com	SURYA V BHAT	4JN19ET034	3	2	2	3	3	2	3	3	3	3	3	Yes	Prof. Girish Manta; Dr. Sankya Nayak	May be		
venuu82328@gmail.com	VENU U	4JN19ET035	3	3	2	3	3	2	3	3	2	3	3	May be	Prof. Benak Patel M P;Prof. Vidyashankar M	May be	nothing	
vinaysajjanashettar@gmail.com	VINAY B SAJJANASHETTAR	4JN19ET036	3	3	2	3	1	3	3	3	3	3	3	Yes	Prof. Girish Manta; Dr. Sankya Nayak	May be	nil	
meghnaniksha23@gmail.com	MEGHANA H	4JN20ET400	3	3	3	3	3	3	3	3	3	3	3	3	Yes	Benak Patel M P;Prof. Vidyashankar M;Dr. Sankya Nayak	Yes	workshop was informative



Questionare for feedback of Skill development program

<https://forms.gle/ZCby4FAxJpC41fUP9>

Q No	Question
1	The workshop helped me acquire skills to apply the engineering knowledge to improve my programing ability
2	The workshop offered opportunites to enhance my ability to analyze and formulate the solutions for the given problems
3	I have learned the usage of latest technological tools through this workshop
4	I have gained the knowledge to design any embedded system using Advanced Microcontrollers
5	Through the workshop I could gain insight to design and implement embedded system projects using microcontrollers
6	The workshop helped to acquire multidisiplinary knowledge
7	The workshop provided opportunity to improve my communication skills
8	I could gain hands on microcontroller applications through lab sessions
9	The workhop helped to improve my analytical and reasoning ability to solve problems on general aptitude
10	The lab sessions helped my enhance my communication skills through peer learning
11	Rate the overall contents of the workshop
12	Do You think the workshop will help you in carrying out projects in later semester
13	Which speaker influenced you the most?
14	Can you consider this workshop as a preparatory session for the on/off campus drive programs
15	Any other suggestions



Sl. No	Question	Question	Disagree	Agree	Strongly Agree
1	The workshop helped me acquire skills to apply the engineering knowledge to improve my programing ability	Q1	0	7	35
2	The workshop offered opportunites to enhance my ability to analyze and formulate the solutions for the given problems	Q2	1	9	32
3	I have learned the usage of latest technological tools through this workshop	Q3	0	7	35
4	I have gained the knowledge to design any embedded system using Advanced Microcontrollers	Q4	1	6	35
5	Through the workshop I could gain insight to design and implement embedded system projects using microcontrollers	Q5	1	5	36
6	The workshop helped to acquire multidisiplinary knowledge	Q6	0	10	32
7	The workshop provided opportunity to improve my communication skills	Q7	1	7	34
8	I could gain hands on microcontroller applications through lab sessions	Q8	1	2	39
9	The workhop helped to improve my analytical and reasoning ability to solve problems on general aptitude	Q9	0	8	34
10	The lab sessions helped my enhance my communication skills through peer learing	Q10	1	3	38
11	Rate the overall contents of the workshop	Q11	0	5	35
12	Do You think the workshop will help you in carrying out projects in later semester	Q12	2	2	34
13	Can you consider this workshop as a preparatory session for the on/off campus drive programs	Q14	2	30	10

