

## ORGANISING COMMITTEE

**Dr. H R Mahadevaswamy**  
Principal, JINCE

**Dr. Manjunatha P**  
HOD, E&C Department, JINCE

## FACULTY CO-ORDINATOR

**Sharath S M**  
Secretary, IETE Shivamogga

## FACULTY CONVENORS

**Ajay Betur P**      **Shwetha H.R.**  
Asst. Professor      Asst. Professor  
Dept. of ECE      Dept. of ECE

## STUDENT COORDINATORS

Athreya S R : 9986862008  
Shreyas B : 9945032799

## CONTACT

plasma19.jince@gmail.com

**For Online Registration**  
**Scan the QR code :**



Food & Accommodation will be provided  
with a nominal charge of ₹ 200

## EVENTS

**LINE FOLLOWER**

**GET SET GO (ROBO RACE)**

**ROBO SOCCER**

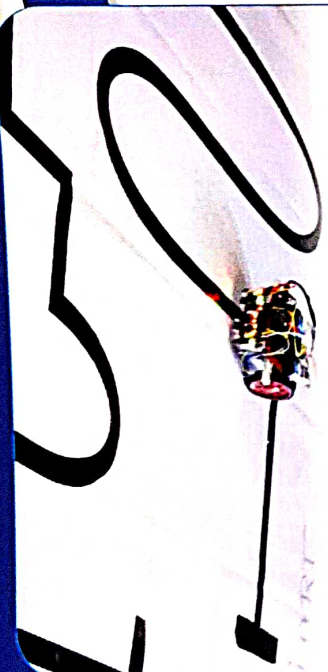
**HOBBY PROJECT**

**PAPER PRESENTATION**

**TEST G.**

**ARDUINO UNO**

**DR. CIRCUIT**



National Education Society (NS)  
Jawaharal Nehru National College of  
Engineering, Shimoga - 577 204  
(Approved by AICTE, New Delhi, Certified by UGC 2f & 12B,  
Accredited by NAAC -B, Recognized by Govt. of Karnataka and  
Affiliated to VTU, Belagavi)



Internal Quality Assurance Cell

Department of Electronics & Communication Engineering  
& IETE, Shivamogga Centre

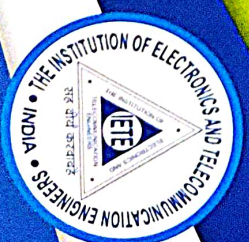
**ORGANIZING**

**A National Level Technical Symposium**

**"PLASMA 2019"**

**Events with Elegance**

**04-10-2019 and 05-10-2019**



In association with  
**The Institution of Electronics and  
Telecommunication Engineers,  
Shivamogga Center**



## ABOUT THE COLLEGE

JNNCE was established in the year 1980 by the National Education Society. The college is affiliated to Visvesvaraya Technological University (VTU), Belagavi and recognized by AICTE, New Delhi. It offers 7 UG and 7 M.Tech Program besides MBA and MCA. It has 9 Research centers recognized by VTU. Spread over 39.4 acres, the campus has the amenities to cater to the needs over 3400 students and 400 employees. Each department is equipped with good infrastructure with highly qualified and experienced faculty and well equipped laboratories. The Institution has 46 doctorates and 56 research scholars to its credit. The college is regarded as one of the excellent centers for technical education and research. J.N.N.C.E is ranked 47<sup>th</sup> among top 75 engineering colleges in India and 7<sup>th</sup> in Karnataka as per OUT Look -MDRA ranking survey 2017 consecutively. The college hosts a number of International and National workshops, Conferences, seminars and short term courses throughout the academic year.

### JNNCE is ranked by the following agencies in 2018-19 :

- \* Accredited by NAAC-'B'
- \* UGC 2f & 12b Certification
- \* Outlook : 48<sup>th</sup> (India); 7<sup>th</sup> (Karnataka)
- \* India Today : 34<sup>th</sup> (India); 7<sup>th</sup> (Karnataka)
- \* The Week : 31<sup>st</sup> (India) 20<sup>th</sup> (South India); 9<sup>th</sup> (Karnataka)
- \* Career 360 : AAA
- \* Chronicle 18<sup>th</sup> (India) A+ Grade, 5<sup>th</sup> in admission & selection process 7<sup>th</sup> in Academic Excellence

## ABOUT THE DEPARTMENT

The Department of Electronics & Communication Engineering was started in the year 1980. Department has well equipped laboratories, qualified and experienced staff to cater to the needs of students of UG program and PG program M.Tech in Digital Electronics and Communication Systems. The ECE department has been recognized as research center under which 16 research scholars are pursuing Ph.D under VTU Belagavi. UG and PG students are actively involved in carrying out their projects under New Age Incubation Network, Govt. of Karnataka The department has IETE and IS Forums.

## DEPARTMENT VISION

To be a premier centre of education and research in Electronics & Communication Engineering for producing competent engineers to cater to the needs of industry and society.

## DEPARTMENT MISSION

- \* Impart quality education through Innovative and continuous teaching-learning process.
- \* Groom the students with required foundations of Electronics & Communication Engineering and inculcate in them the professional ethics & human values.
- \* Train the students and the faculty in state - of - the art technologies and motivate them for higher studies & innovation based research for the needs of the industry and society.
- \* Create centers of excellence in the field of Electronics & Communication Engineering in collaboration with the industries and academic organizations.

## ABOUT THE IETE

The Institution of Electronics and Telecommunication Engineers (IETE) in the national apex body of professional engineers devoted to the advancements of electronics, Telecommunication, IT and allied areas. IETE serves more than 69,000 members both individual and industrial organisations through its 65 centres spread all over India including one abroad. The main objectives of IETE is to organise conferences, symposia, workshops involving industry and associations for the advancement of Electronics and Telecommunication engineering, Information Technology, allied subjects. The 56<sup>th</sup> centre of IETE was inaugurated at Jawaharal Nehru National College of Engineering, Shivamogga on 1<sup>st</sup> March 2009

## ABOUT THE PLASMA

Plasma is a technical symposium to encourage the Engineers towards the present technology. It is one of the best platform to showcase your passion towards the current technical trends. This event consists of 8 competitions which includes Line Follower, RC robot race, Paper Presentation, Hobby Project, Dr Circuitrix, Arduino UNO and C-debugging. This event will be a wonderful opportunity to win exciting cash prizes upto Rs71,000.

Plasma-2018 was a grand success with more than 200 teams actively participated in all the events who came from different colleges across the state. It will be a wonderful opportunity to showcase talents and learn a lot about technological developments & applications.

## REGISTRATION FORM

# "PLASMA 2019"

04-10-2019 and 05-10-2019

Name: \_\_\_\_\_

USN : \_\_\_\_\_

College : \_\_\_\_\_

Place : \_\_\_\_\_

E-mail ID : \_\_\_\_\_

Phone No : \_\_\_\_\_

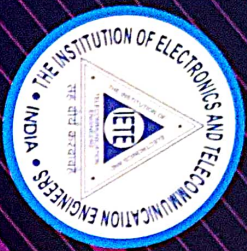
## EVENTS

- |                          |                          |
|--------------------------|--------------------------|
| PAPER PRESENTATION       | <input type="checkbox"/> |
| GET, SET, GO (ROBO RACE) | <input type="checkbox"/> |
| ROBO SOCCER              | <input type="checkbox"/> |
| LINE FOLLOWER            | <input type="checkbox"/> |
| HOBBY PROJECT            | <input type="checkbox"/> |
| U-NO ARDUINO             | <input type="checkbox"/> |
| C DEBUGGING              | <input type="checkbox"/> |
| DR. CIRCUIT              | <input type="checkbox"/> |

Signature of the Applicant

Signature of HOD with seal

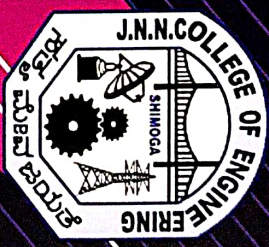




National Education Society (R)  
**Jawaharlal Nehru National College of Engineering**  
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 Internal Quality Assurance Cell

**Department of Electronics & Communication Engineering  
 and IETE, Shivamogga Centre**



**JOINTLY PRESENTS**

**A National Level Technical Symposium**

# PLASMA 2019

Events with Elegance



## PAPER PRESENTATION

Stream 1 : ECE/TCE/EEE  
 Stream 2 : CSE/ISE/Mech/Civil  
 2 per team

## GET, SET, GO (Robo Race)

RACE YOUR BOTS TILL FINISH LINE.  
 4 per team

## ROBO SOCCER

MAKE A GOAL AGAINST OPPONENT  
 4 per team

## LINE FOLLOWER

FOLLOW THE LINE AND WINN L...  
 4 per team

## U-NO? ARDUINO!!!

COMPLETE THE TASK BY INTERFACING  
 UNO WITH GIVEN COMPONENTS  
 2 per team

## C DEBUGGING

TACKLE A PROBLEM BY C  
 2 per team

## DR. CIRCUIT

CIRCUIT DEBUGGING..  
 SHOW OFF YOUR KNOWLEDGE  
 OF ELECTRICAL NETWORKS  
 2 per team

## HOBBY PROJECT

GEAR UP TO SHOW OFF YOUR  
 INNOVATIONS  
 4 per team

For paper presentation and hobby project abstract must be mailed on or before 20<sup>th</sup> September 2019

**DATE: 4<sup>th</sup> and 5<sup>th</sup> October 2019**

For Queries :

plasma19.jince@gmail.com  
 Google Pay Number :  
 9945032799

Scan QR Code for Registration



Convener :

Alay Betur P     Shwetha H R  
 Asst. Professor     Asst. Professor

Co-ordinator :

Sharath S M     Secretary  
 IETE Shivamogga

Dr. HR Mahadevaswamy

Principal  
 JINCE

Dr. P Manjunatha

HOD  
 Dept. of ECE

Contact :

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JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING, SHIVAMOGGA – 577204



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 23/10/2019

### Submitted to the Principal

Department of Electronics and Communication has successfully conducted a two days National Level Technical Symposium PLASMA – 2019 event, on October 4<sup>th</sup> & 5<sup>th</sup>, 2019. Response from the students was excellent. Everyone appreciated PLASMA – 2019 event.

The sanctioned budget for this event from the college was Rs. 1,40,300=00, which includes registration fee collected from the participants. Estimated registration fee from the participants was Rs. 20,000=00.

As, the number of participants were much more than expected, collected registration fee amount went up to Rs. 52,200=00 (i.e., Rs. 32,200=00 collected in excess). Also, received Rs. 3,000=00 as sponsorship amount from IETE Shimoga Centre and yet to receive sponsorship amount from Canara Bank and IE(I), Davanagere Chapter.

The number of participants were much more than expected, resulting into an increased / excess expenditure (because of, two days lunch arranged for all the participants by JNNCE) by Rs. 64,967=00 (Sixty – four thousand nine hundred and sixty – seven only).

Overall expenditure statement is enclosed, in two batches, viz...

1. PLASMA – 2019 Expenses: Batch – 1
2. PLASMA – 2019 Expenses: Batch – 2

Also, overall financial details, and other necessary details are attached.

This is for your kind information and for approval.

Shwetha H R  
Convener

Ajay Batur  
Convener

Sharath S M  
Coordinator

Dr. P Manjunatha  
Head of Department, ECE

Head of the Department  
Electronics and Communication  
J.N.N. College of Engineering  
SHIMOGA-577 204.







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JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING, SHIVAMOGGA – 577204



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 23/10/2019

1. Budget Estimation and Actual Expenditure:

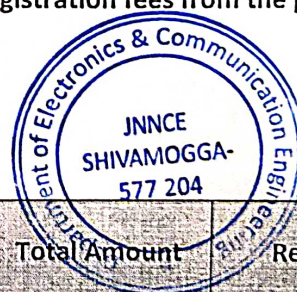
Sl. No.	Head of Expenditure	Details of Expenditure	Anticipated Expenditure	Actual Expenditure	Remarks
1	Honorarium for Judges	18 Judges X Rs. 850	15,300=00	5,800=00	
2	Honorarium for Guests	2 Guests X Rs. 1500	3,000=00	4,500=00	
3	Food and Tea	100 students, coordinators and staff X Rs. 60 X 2Day = 12000=00	12,000=00	46900=00 (Food Provided for all the Participants)	Secretary and Principal gave permission orally to bear the food expenses from college side (46900 – 12000 = 34900)
4	Event preparation and arrangements (Broachers, Stage, Mementos, Sound Systems, & Miscellaneous cost)		15,000=00	69,749=00	To encourage faculty members and students to conduct, more such events in future and to keep up their enthusiasm, Mementos were presented to them.
5	Certificates, Banner and Posters		15,000=00	40,518=00	As participants were more than expected, spent more money on certificates
6	Price for Plasma event		80,000=00	73,000=00	
	<b>Total</b>		<b>1,40,300=00</b>	<b>2,40,467=00</b>	

## - Refer Budget Estimation sheet dated August22, 2019, which includes: Registration fees from the participants of Rs. 20,000=00.

**Actual collected amount from the participants is Rs.52,200=00.**

2. Amount Collected from the Sponsors:

Sl. No.	Sponsor Name	Receipt Voucher	Sponsorship Amount	Total Amount	Remarks
1.	IETE Shimoga Centre	Cheque No. "597020" Dt. 19/10/2019	3,000=00	3,000=00	
2.	Canara Bank		25,000=00		Yet to be received
3.	IE(I), Davanagere Chapter		5,000=00		Yet to be received







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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

4. Overall Financial Details:

Total Amount generated for PLASMA – 2019	1,20,300=00 55,200=00 1,75,500=00	Total Expenditure of PLASMA – 2019	2,40,467=00	Deficit Amount to be borne by the institution	2,40,467=00 (-),1,72,500=00 64,967=00
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5. Difference amount details:

Food Expenses (Actual)	46,900=00
Proposed Budget for Food	12,000=00
Difference Amount (in Food)	34,900=00

6. Excess expenditure details:

Deficit Amount	64,967=00
Difference Amount (in Food)	34,900=00
Excess Expenditure	30,067=00




7. If Canara Bank and IE(I), Davanagere Chapter gives the sponsorship amount (or if, Mr. Gururaj could able to collect money from Canara bank and IE(I), Davanagere Chapter), then excess expenditure is recovered from this sponsorship amount and college needs to bear only the difference amount of 34,900=00 towards food as promised orally by secretary and principal.
8. And by chance, if we didn't receive any sponsorship amount (i.e., from, Canara Bank and IE(I), Davanagere Chapter), then, please consider the "PLASMA – 2019 Expenses: Batch – 2", bills under the JNNCE Finance Clause Code – 3404, in department budget, so that, excess expenditure is adjusted. And college needs to bear only the difference amount of 34,900=00 towards food as promised orally by secretary and principal.

This is for your kind information and for approval.

  
Shwetha H R  
Convener

  
Ajay Betur P  
Convener

  
Sharath S M  
Coordinator

  
Dr. P Manjunatha  
Head of Department, ECE  
Head of the Department  
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SHIMOGA-577 204.





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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Final submission of expenditures of the PLASMA – 2019 event, held on October 4<sup>th</sup> & 5<sup>th</sup>, 2019.

PLASMA – 2019 Expenses: Batch – 1


Sl. No.	Expenditure Details	Bill No. & Date	Amount in Rupees	Amount to be transferred to
1.	Towards breakfast, lunch, and high – tea during event	JNNCE Hostel, Bill No. 138 Dt. 10/10/2019	22,900=00	JNNCE Hostel Acc.
2.	Honarium for judges	Dr. S N Jagadeesha PESITM, Shimoga	1,000=00	Jagadeesha S N A/c: 54061096450 SBI IFSC: SBIN0040852
		Dr. A B Rajendra Vidya Vardhaka Engineering College, Mysore	1,000=00	A B Rajendra A/c: 50100251283133 HDFC IFSC: HDFC0003668
		Shamanth G S PESITM, Shimoga	1,500=00	Shamanth G S A/c: 64048103028 SBI IFSC: SBIN0040852
		Chethan L S PESITM, Shimoga	1,500=00	Chethan L S A/c: 64101459996 SBI IFSC: SBIN0040852
		Ms. Suneetha B S PESITM, Shimoga	800=00	Suneetha B S A/c: 37085314197 SBI IFSC: SBIN0040852
3.	PLASMA – 2019 Event Photos	Verma Digital Studio, Bill No. 856, Dt. 09/10/2019	3,125=00	Verma Digital Studio Acc. Vijaya Bank A/c: 143300301000103 IFSC: VIJB0001433
4.	PLASMA – 2019: Banner, Posters, ID Cards, Broachers	Snehamilana Graphics, Bill No. 965, Dt. 21/10/2109	8,770=00	Snehamilana Graphics Acc.
5.	PLASMA – 2019: Certificates	Snehamilana Graphics, Bill No. 967, Dt. 21/10/2109	21,888=00	Snehamilana Graphics Acc.
6.	Flex and Banners	Pushpa Digital Flex Print Bill No. 106 Bill No. 107 Dt. 04/10/2019	5,780=00 480=00	Shankar M A/c: 915010009550548 IFSC: UTIB0002668
7.	Mementos, Garland, Trophy	Riddhi Siddhi Gifts, Bill No. 763, Dt. 03/10/2109	15,480=00	Riddhi Siddhi A/c: 7052000100267001 IFCS: KARB0000705
8.	Robo Racer + Soccer – Speaker, Mixer and Amplifier	Sahyadri Professional Sounds and lightings Bill No. 312, Dt. 04/10/2019	6,000=00	Sahyadri Professional Sounds and lightings








DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Sl. No.	Expenditure Details	Bill No. & Date	Amount in Rupees	Amount to be transferred to
9.	Banner for Line Follower	Rudresh digital flex prints Bill No. 514, Dt. 3/10/2019	3,600=00	  Sharath S M Canara Bank A/c No.: 6322131000124 IFSC: CNRB0006322
10.	Paper presentation files	Bombay trading co. Bill No. 348, Dt. 30/9/2019	1,232=00	
11.		Shree Ambika paper company Bill No. C-3705, Dt. 4/10/2019	1,100=00	
12.	PLASMA – 2019: Design	Pallavi enterprises Bill No. 259, Dt. 01/10/2019	1,005=00	
13.	PLASMA – 2019: Design	Sri Bala Hanuma Xrox, Bill No. 350 and 355 Dt. 31/10/2018	490=00	
		Ambika Gift and Fancy Paradise, Bill No. 4876 Dt. 03/10/2019	110=00	
14.	PLASMA – 2019: Design	City Selection, Bill No. 490, and Bill No. 483 Dt. 01/10/2019	1,150=00	
15.	PLASMA – 2019: Design	Thonse Enterprises Bill No. 8625, Dt. 01/10/2019	1,000=00	
16.	PLASMA – 2019: Design	Raami & co Bill No. 9870, Dt. 01/10/2019	300=00	
17.	PLASMA – 2019: Design	SLN Radio Electronics Bill No. 18067 Dt. 03/10/2019	1,013=00	
18.	PLASMA – 2019: Design	United Hardware Bill No. 1971 Dt. 03/10/2019	660=00	
19.	PLASMA – 2019: Miscellaneous	Navrathna Fuels Dt. 02/10/2019 Bill No.20455	900=00	
		Dt. 04/10/2019 Bill No.21175	600=00	
20.	PLASMA – 2019: Miscellaneous	Galaxy Fancy Store Dt. 02/10/2019	50=00	
		Mahadev Hardware Dt. 02/10/2019	40=00	
21.	PLASMA – 2019: Miscellaneous	Shree Mangala Home Products Bill No.1920108 Dt. 15/10/2019	208=00	
		S R S sales	230=00	






DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Sl. No.	Expenditure Details	Bill No. & Date	Amount in Rupees	Amount to be transferred to
		Bill No. 793 Dt. 01/10/2019	125=00	
		S R S sales Dt. 01/10/2019		
22.	PLASMA – 2019: Miscellaneous	Sri Adishakthi Boltnut Bill No.15 Dt. 01/10/2019	175=00	
		Mycem, Dt. 03/10/2019	40=00	
		Guheshwara Automobiles, Dt. 02/10/2019	98=00	
		Mahaveer stationary	120=00	
		Blue Hardware	120=00	
23.	PLASMA – 2019: Miscellaneous	Vinayaka Glass Bill No. 904 Dt. 03/10/2019	110 = 00	
		Shimoga press trust Bill No. 8614 Dt. 02/10/2019	150 = 00	
		Ambay Dt. 03/10/ 2019	280 = 00	
24.	PLASMA – 2019: Miscellaneous	Thonse Enterprises Bill No. 440 Dt. 01/10/2019	1,500=00	
		Thonse Enterprises Bill No. 437 Dt. 01/10/ 2019	3,740=00	
		Voucher Dt. 04/10/2019	0760=00	
		Voucher Dt. 04/10/2019	1,046=00	
		Voucher Dt. 04/10/2019	1,100=00	
25.	PLASMA – 2019: PRIZE Distribution		73,000=00	Copy enclosed
<b>Total Expenditure of PLASMA – 2019</b>			<b>1,86,275=00</b>	<b>One lakh eighty – six thousand two hundred and seventy – five only</b>

  
Shwetha H R  
Convener

  
Ajay Kumar P  
Convener

  
Sherath S M  
Coordinator

  
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Final submission of expenditures of the PLASMA – 2019 event, held on October 4<sup>th</sup> & 5<sup>th</sup>, 2019.


PLASMA – 2019 Expenses: Batch – 2

Sl. No.	Expenditure Details	Bill No. & Date	Amount in Rupees	Amount to be transferred to
1.	Towards breakfast, lunch, and high – tea during event	JNNCE Hostel, Bill No. 139 Dt. 10/10/2019	24000=00	JNNCE Hostel Acc.
2.	Mementos, Garland, Trophy	Riddhi Siddhi Gifts, Bill No. 767, Dt. 05/10/2109	5040=00	Riddhi Siddhi A/c: 7052000100267001 IFCS: KARB0000705
		Riddhi Siddhi Gifts, Bill No. 792, Dt. 21/10/2109	7775=00	
3.	PLASMA – 2019: Miscellaneous	Sri Anjanadri Store Bill No. 27 Dt.03/10/2019	820=00	 Sharath S M Canara Bank A/c No.: 6322131000124 IFSC: CNRB0006322
		Bill No. 28 Dt.04/10/2019	1440=00	
4.	PLASMA – 2019: Miscellaneous	Naati Mane Bill No. 479 Dt.03/10/2019	2200=00	
		Bill No. 480 Dt.03/10/2019	1180=00	
5.	PLASMA – 2019: Miscellaneous	Maximum menswear bill no. MM004 Dt.02/10/2019	10287=00	
		[Note: Total Amount = 18827 Students contribution is Rs. 8000 for T – shirts and Rs.10287 given from college]		
6.	Crackers	Ramesh enterprises Bill No. 26 Dt.02/10/2019	1450=00	
Total other miscellaneous expenditure of PLASMA – 2019			54,192=00	Fifty – four thousand one hundred and ninety – two only

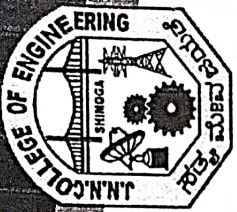
  
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**JOINTLY PRESENTS  
A National Level Technical Symposium**

**PLASMA 2019**  
Events with Elegance

**Certificate of Excellence**

This is to certify that Mr./Ms. \_\_\_\_\_ of \_\_\_\_\_ college has participated in \_\_\_\_\_ event and secured \_\_\_\_\_ place

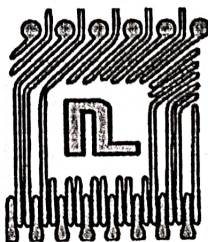
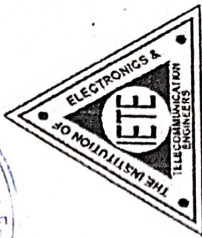
In PLASMA-2019 held on October 4<sup>th</sup> & 5<sup>th</sup> 2019 organized at Jawaharal Nehru National College of Engineering, Shivamogga.

Dr. H.R. Mahadevaswamy  
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Asst. Professor  
ECE Dept.





National Education Society (R.)

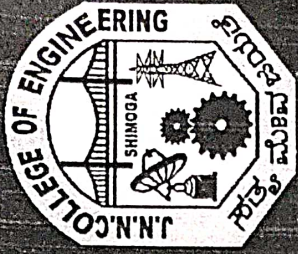
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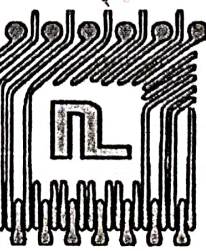
Internal Quality Assurance Cell

### Department of Electronics & Communication Engineering and IETE, Shivamogga Centre



**JOINTLY PRESENTS**

A National Level Technical Symposium

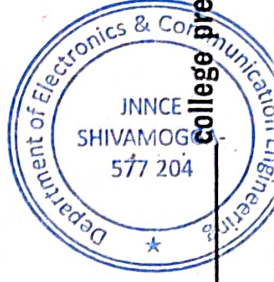
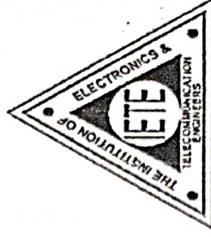


# PLASMA 2019

# PLASMA 2019

Events with Elegance

# Certificate of Excellence



This is to certify that Mr./Ms. \_\_\_\_\_ of \_\_\_\_\_ college presented a paper on \_\_\_\_\_ in PAPER PRESENTATION event and

has secured \_\_\_\_\_ Place in PLASMA-2019 held on October 4<sup>th</sup> & 5<sup>th</sup> 2019 organized at Jawaharlal Nehru National College of Engineering,

Shivamogga.

Principal  
Dr. H.R. Manjunatha  
Principal  
Department of Electronics & Communication Engineering  
Jawaharlal Nehru National College of Engineering  
Shivamogga

Dr. P. Manjunatha  
HOD, ECE Dept.

Sharath S.M.  
Co-ordinator  
Secretary IETE, Shivamogga

Shwetha H.R.  
Convener  
Asst. Professor, ECE Dept.





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Jawaharlal Nehru National College of Engineering, Shivamogga – 577204



## Department of Electronics and Communication Engineering Report of PLASMA – 2019

Department of electronics and communication has organised a National Level Technical symposium PLASMA 2019 in association with IETE shimoga centre on 4<sup>th</sup> and 5<sup>th</sup> October 2019.

The Event was inaugurated on 4<sup>th</sup> October 2019 at MBA auditorium at 9:30AM. Chief Guest was Sri. Prashanth Ramappa, Principal Data-scientist AT&T Co., Banglore. gave the importance and event details.

Guest of Honours were Sri A S Vishwanath, President, NES, Shimoga and Sri S N Nagaraja, Secretary NES, shimoga. Dr. L K Sripathi, Vice Principal JNNCE, Shimoga, Dr. P. Manjunath, HOD of ECE department and this function was presided by Dr. H R Mahavdevaswamy, Principal, JNNCE, Shimoga.

8 Technical Competitions were conducted in this PLASMA 19 event.

Plasma 2018 consists of seven technical events. They are:

1. Robo Race
2. Robo Soccer
3. Line follower
4. Hobby project
5. Test C
6. Dr Circuit
7. Paper presentation
8. Arduino Uno



Individual events have its own set of rules and regulations. According to those rules results are evaluated.

### Rules and Regulations

1. Get, Set, Go!
  - Max No. of participants per team – 4
  - Max dimension of base of the bot – 35cm x 35cm x 35cm
  - Prohibited for ready-made mechanisms, kit etc
2. Line Follower
  - Max No. of participants per team – 4
  - Max dimension of base of the bot – 25cm x 25cm x 25cm
  - Prohibited for ready-made mechanisms, kit etc
3. Robo Soccer
  - Max No. of participants per team – 4
  - Prohibited for ready-made mechanisms, kit etc





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## Department of Electronics and Communication Engineering

### 4. Hobby Project

- Max No. of participants per team – 4
- Project could be either hardware prototype or software application

### 5. Paper Presentation

- Max No. of participants per team – 3
- Paper should be in IEEE format
- Duration – 8min + 2min

### 6. U-NO? Arduino

- Max No. of participants per team – 2
- Basic knowledge about Arduino Board and programming

### 7. Dr. Circuit.

- Max No. of participants per team – 2
- Basic knowledge about electrical network and circuit analysis

### 8. Test.C

- Max No. of participants per team – 2
- Basic knowledge about C programming language







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**Department of Electronics and Communication Engineering**  
**Students Coordinators**

<b>Event Student Organizers</b>	Shreyas B	Athreya S R
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Sl. No.	Event Name	Event Core
1	Get, Set, Goll	1. ShashankS hanabogh 2. Sandesh
2	Line Follower	1. Akshay 2. Deeksha
3	Hobby Project	1. Adithya 2. Ullas
4	Paper Presentation	1. Vardhan 2. Harshitha
5	U-NO? Arduino!!	1. Bhoomika 2. Soujanya
6	Dr. Circuit..	1. Sachin 2.Sanjay
7	Robo Soccer	1.Goutham Tantri 2.Anantraya
8	Test.C	1. Sagar 2. Shruthi V



<b>Registration Coordinators</b>	1. Ullas 2. Adithya 3. Sanjay 4. Murali 5. Soujanya Jain 6. Boomika K
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## Department of Electronics and Communication Engineering

Food And Accommodation Coordinators

1. Hruthvik
2. Sanjay

Stage And Decoration Coordinators

1. Vijay Kumar
2. Namratha
3. Shrilekha
4. Manasa
5. Chitra



Event coordinator : Mr.Sharath S M, Asst professor ECE department, JNNCE

Event convener : Shwetha H R, Asst professor ECE department, JNNCE

Ajay Betur P, Asst professor ECE department, JNNCE

Event name	Coordinator name
Get, Set, Go!!	Pradeep S C, Anil Kumar J
Line Follower	Abhijith N, Sumathi K
Hobby Project	Dr Sathyanarayana S V
Paper Presentation	Sunil M D, Dr. Pramod Kumar, Smitha S M
U-NO? Arduino!!	Prasanth GS, Benak Patel
Dr. Circuit..	SB.Nalina
Test C	Chakrapani DS, Nandish
Robo Soccer	BS Ujwala, K V Darshan
Stage+Food+Accommodation	Ajay Betur P, Veeresh, Badrish
Finance	Sharath S M, Shwetha H R





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## Department of Electronics and Communication Engineering

In robotics competitions more than 180 Robotic teams from various parts of India like Tamilnadu, Maharashtra, Kerala, Andrapradesh, Pondicherry, Bombay, Belagavi, Hydrabad, Bangalore and our in-house students were Participated.

More than 900 students were enthusiastically participated in this two days symposium. Among them 300+ students are from outside Karnataka.

Valedictory function was held on 5/10/19 at MBA seminar hall at 4:30 PM. The chief Guests for this function were Dr. Shekhar T. H., Additional SP Shivamogga. & Mr. Nivedan Nempe, Areca Tea Founder, Shivamogga. Guest of honour was Sri. SN Nagaraja. NES, shimoga, presence of honour was Dr. L K Sreepathi, Vice Principal, JNNCE, Shimoga and this function was presided by Dr. H R Mahavdevaswamy, Principal, JNNCE, Shimoga.

Cash Prizes were given to the winners of each event in the competition by the chief guest.



  
Sharath S M,  
Co-ordinator

  
Ajay Kumar P  
Convener

  
Shwetha H R,  
Convener



Dr. P Manjunatha,  
Head of Department, ECE

Head of the Department  
Electronics and Communication  
J.N.N. College of Engineering  
SHIMOGA-577 204.



**National Education Society**  
**Jawaharlal Nehru National College of Engineering Shivamogga-577204**  
**Department of Electronics and Communication Engineering**

Date: 22/08/2019

**Submitted to:**

The Principal,  
 JNNCE, Shimoga

Respected Sir,

Sub: Request your kind approval to organize the mega event "PLASMA-2019" on 04/10/2019 to 05/10/2019

With reference to above subject, the Department of Electronics and Communication Engineering is planning to conduct Two days Mega Technical Event "PLASMA-2019" for engineering students on 04/10/2019 to 05/10/2019 and the budget details is as follows:

**Budget Estimation:**

SL No	Head of Expenditure	Details of Expenditure	Anticipated Expenditure
1.	Honorarium for judges	18 Judges X Rs. 850	15300/-
2.	Honorarium for Guests	2 Guests X Rs. 1500	3,000/-
3.	Food for Student Coordinators and ECE Staff Members	(100 X Rs. 60 X 1 Day) X 2= 12,000	12,000/-
4.	Event Preparation and arrangements (Brochures, Stage, and Miscellaneous cost)		15,000/-
5.	Certificates, Banners and Posters		15,000/-
6.	Prize for Plasma Event		80,000/-
<b>Total Estimated Amount</b>			<b>1,40,300/-</b>

Expected number of participants: 100 Batches      Registration fees for each Batch: Rs. 200/-

Total Expenses	1,40,300/-
Total Receipts from other sources	20,000/-
Contribution needed from JNNCE	1,20,300/-

Budget Code	Head of the account	Sanctioned budget	Utilized Expenditure	Approx. Expenditure	Balance
3404	Conferences/Workshop/F DP/Seminar	4,00,000	1,48,445	80,300	1,71,255
5104	Department Professional Association Expenditure	2,50,000	NIL	40,000	2,10,000

The estimated expenditure is within the sanctioned budget, hence we request your kind approval to organize this mega event:

Coordinator

Sharath S M  
 Asst. Professor  
 Dept of ECE

Convenor's

Ajay Kumar P  
 Asst. Professor  
 Dept of ECE

Shwetha H R  
 Asst. Professor  
 Dept of ECE

HOD, ECE

Dr. Manjunatha P

(P. T. O.)



NO. NES/JNICE/330/2019-20 D/24/08/2019  
ForWARDED to Secretary, NES

For kind approval

Submitted for Approval

HR/8/15 22/8/19

Principal  
Jawaharlal Nehru  
National College of Engineering  
Shivamogga.

Appd  
3/9

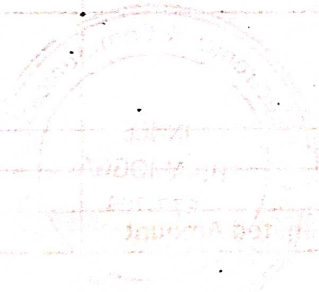
Secretary  
National Education Society  
SHIMOGGA.

[Signature]

[Signature] 30/8

EST  
Send copy to  
HOD, ECB

HR/31/14



Sl. No.	Name of the Candidate	Grade	Percentage	Remarks
1	[Name]	[Grade]	[Percentage]	[Remarks]
2	[Name]	[Grade]	[Percentage]	[Remarks]
3	[Name]	[Grade]	[Percentage]	[Remarks]
4	[Name]	[Grade]	[Percentage]	[Remarks]
5	[Name]	[Grade]	[Percentage]	[Remarks]

HOD, ECB

Secretary

Principal











