

Registration Form

National Workshop on

"Research Avenues in Genomics"

17 - 21, Dec - 2018

1. Name: _____
2. Designation: _____
3. Department: _____
4. Email-ID: _____
5. Mobile No: _____

The information provided by me is true to the best of my knowledge. I agree to abide by the rules and regulations governing the National Workshop. If selected, I shall attend the program for the entire duration.

Date : _____
Place : _____
Signature of the Applicant _____

Mr./Ms./Dr. _____ is an employee of our Institute and is hereby permitted for the above National Workshop

Date : _____
Place : _____
Head of the Institution/HOD

Chief Patrons

- Sri. A S Vishwanatha, President, NES
Sri. T R Ashwathnarayana Setty, Vice President, NES
Sri. S N Nagaraja, Secretary ,NES
Sri. Amarendra Kireeti, Joint Secretary, NES
Sri. C R Nagaraj, Treasurer, NES

Patrons

- Dr. H R Mahadevaswamy
Principal, JNCE, Shivamogga
Dr. L K Sreepathi
Vice Principal, JNCE, Shivamogga

Organizing Chair

Dr. Nirmala Shivanand, HOD, Dept. of CS&E, JNCE

Coordinators

- Dr. K.M Poornima, Professor, Dept. of CS&E, JNCE
Dr. Manjula G.R, Assoc. Professor, Dept. of CS&E, JNCE
Ms. Sankhya N Nayak, Asst Professor, Dept. of CS&E, JNCE

Organizing Committee

All Teaching and non Teaching staff
Department of Computer Science & Engineering

Resource Persons

1. Dr. Malali Gowda, Prof. & Head, Centre for Functional Genomics & Bioinformatics, University of Transdisciplinary & Health Sciences, Bangalore
2. Prof. S. Ramesh, Chairperson, Dept. of Bioinformatics, Akkamahadevi Women's University, Vijaypura
3. Dr. S. S. Rangaraj, Professor, DCS Mysore University
4. Dr. K.N. Amrutesh, Professor, DCS & Society, Mysore University
5. Dr. Bobby Paul, Professor, School of Life Sciences, MAHE,
6. Dr. Padmalatha Rai, Professor, School of Life Sciences, MAHE,
7. Dr. Satish K.M, Professor, Dept. of Biotechnology, Agricultural University, Shivamogga
8. Dr. Kuppast, Principal, NES Pharmacy College, Shivamogga
9. Dr. Narayanamurthy, Professor, NES Pharmacy College, Shivamogga
10. Dr. Rudresh B.H, Dept. of AGB, Veterinary College, Shivamogga

National Education Society (R.)

Jawaharlal Nehru National College of Engineering Shivamogga - 577 204

(Affiliated to VTU Belagavi, Recognized by Govt. of Karnataka,

Approved by AICTE, New Delhi, Accredited by NAAC

and Certified by UGC 2f & 12B)

Internal Quality Assurance Cell



National Workshop On Research Avenues in Genomics

17 - 21, Dec - 2018

Organized by
Department of
Computer Science & Engineering

About The College

Jawahar Institute of the National College of Engineering (JINCE) is a flagship institute of the National Education Society, JINCE is one of the premier technical institutions of Karnataka imparting quality technical and management education and training to students from all parts of India. Started in the year 1980, over the last 38 years, the institution has put its best efforts in achieving perfection in every aspect of technical management education and training. It is one of the most sought after institutions for technical education in Karnataka spread over 38 A series, the campus has the amenities to cater to the needs over 3500 students and 400 employees. Each department is equipped with good infrastructure with highly qualified and experienced faculty and well equipped laboratories. The institution has 44 departments and 144 research centers to its credit.

JINCE is ranked by the following agencies in 2018

Accredited by NMAC, Bangalore, (100 BT & 12B Certification)
(Dabur, 49th India), 7th (Karnataka)

The Week 38th (South India), 15th (Karnataka), Career 360 AAA
The college hosts a number of international and National workshops, conferences, seminars and short term courses throughout the academic year. JINCE is identified as a center for organizing the State (annual) competition by the Dept of Science & Technology, Govt of India for PUG students to create awareness in their colleges.

JINCE received a funding of Rs 9.77 Crores setting up Newsworld Centre, academic eagle of NSTEED, DST, Govt of India. JINCE is identified as a National Centre of IT, Bangalore in central on-line technical workshop for faculty and students and also, as a Model Centre for the project E-Verify, a robust based Project initiated by IT-Bangalore. An industrial Robot (YASKAWA make) of worth Rs. 95 Lacs has been recently procured. Department of IT BT of Govt of Karnataka has set up New Age (incubation) network center at JINCE with funding of 40 Lacs per year.

About the Department

The Computer Science and Engineering department was established in the year 1991. Since then, the department has held a position of pride in JINCE. The Department offers B.E. and two P.T. courses M.Tech (CS&E) and M.Tech (HIE). The department has well qualified experienced and dedicated faculty to provide quality technical education to the students. The department infrastructure fulfills the requirements of academic supports research and learning skills on the latest technology in the industry. Special care is taken for each student by implementing mentor scheme. CS & E has research centre recognized by Visveswaraiah Technological University established in 2013. Many research related activities such as conferences, workshops and training programs are organized by the department for both faculty and students. CS&E has a state-of-the-art lab in the department equipped for competitions for students to encourage the students. Various labors added in students every year on an average 70% of students gets recruited in many reputed companies through campus placement cell.

Department Vision

be one of the pre-eminent department to provide technical and knowledge based education, utilizing the potential of computer science & engineering to meet the ever changing needs of industry and Society.

Department Mission

Would the students to meet the emerging challenges of industry and society, emphasizing on research and effective industry interaction for the development of state of the art technical infrastructure and faculty component.

About the Workshop

This Workshop is being organized for Five days to provide a platform for faculties and researchers, to understand the concepts of Genomics and its research challenges to aid in solving complex genomic problems. With this in view the course would provide expert talks on the topics cited below along with Demo-Sessions.

Topics

1. Introduction to Genomics and NCBI and other databases.
2. DNA Sequencing.
3. Gene expression Data Processing.
4. Gene sequencing Analysis.
5. Bioinformatics tools.
6. Human Population Genomics.
7. Biotechnological opportunities / Research challenges in the area of genomics.
8. Case studies related to Genomics.

Who can attend

Faculty members and research Scholars from Departments of Computer Science & Engineering, Information Science & Engineering, Biotechnology, Agriculture and Pharmacy.

Resource Persons

Resource persons from distinguished Research Institutes and colleges will deliver expert lectures and demo sessions.

Registration details

A registration fee of Ra. 1000 will be charged for each participant. The registration fee should be paid through online, the details of which are given below:

Bank : CANARA BANK
Branch : JINCE Campus, Shivamogga
SB A/c. No. : 6322201000004
IFSC code : CNRB0006322

Scanned copy of the application with duly forwarded by the HOD or Principal, must be sent along with online transaction to the coordinator email id. The number of participants is limited to 45 on first come first serve basis

Note: Registration fee does not include accommodation. However accommodation may be provided to the participant with a nominal fee in the college hostel. No TADA will be provided for the participants.

Important Dates

Submission of application forms by: 10-12-2018.
Workshop Dates: 17-12-2018 to 21-12-2018.
Venue: Ad-Block Seminar hall & Computer Lab, Dept. of CS&E
Timing: 9.00 am to 6.30 pm

Address for Communication

Dr. K.M Poornima : 9844529218
Dr. Manjula G.R : 9164300521
Bhanhya N Nayak: 9742914647
E-mail: genomics@dp@jince.ac.in



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**Jawaharlal Nehru National College of Engineering,
Shivamogga**

(Approved by AICTE, New Delhi, Certified by UGC 2F and 12 B, Accredited by NAAC-'B', Recognized by Govt. of Karnataka, Affiliated to VTU, Belagavi)

Department of Computer Science and Engineering

*Cordially invites you for the inaugural function of
Five days National workshop on*

“Research Avenues in Genomics”

On Monday 17-12-2018 at 9.30 AM

Chief Guest : **Dr. Malali Gowda**
Prof. & Head,
Centre of Functional Genomics and Bioinformatics,
University of TransDisciplinary and Health Sciences, Bengaluru

Guests of Honor: **Sri. A.S. Vishwanatha**
President,
National Education Society, Shivamogga

Sri. T.R. Ashwathanarayana Setty
Vice President,
National Education Society, Shivamogga

Presided by : **Dr. H.R. Mahadevaswamy**
Principal, JNNCE

Venue : **AD-BLOCK SEMINAR HALL,
JNNCE CAMPUS, Shivamogga**

Time : 9.30 AM to 11.00 AM

HoD, Faculty and Staff
Dept. of CS&E



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Department of Computer Science and Engineering

*Cordially invites you for the valedictory function of
Five days National workshop on*

"Research Avenues in Genomics"
On Friday 21-12-2018 at 2.30 PM

Chief Guest : **Dr. B.T. Prabhakar**
Assistant Professor, Molecular Biomedicine Laboratory
Post Graduate Dept of Studies and Research in Biotechnology,
Sahyadri Science College, Shivamogga.

Guests of Honor: **Sri. S.N. Nagaraja**
Secretary,
National Education Society, Shivamogga

Sri. C.R. Nagaraj
Treasurer,
National Education Society, Shivamogga

Presided by : **Dr. H.R. Mahadevaswamy**
Principal, JNNCE

Venue : **AD-BLOCK SEMINAR HALL,
JNNCE CAMPUS, Shivamogga**

Time : **2.30 PM to 3.30 PM**

HoD, Faculty and Staff
Dept. of CS&E



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56



**Jawaharlal Nehru National College of
Engineering, Shivamogga**

Department of Computer Science & Engineering

**National Workshop
On**

“Research Avenues in Genomics”

AGENDA

- 1. INVOCATION**
- 2. WELCOME ADDRESS**
- 3. INAUGURATION BY LIGHTING LAMP**
- 4. WORKSHOP OVERVIEW**
- 5. CHIEF GUEST INTRODUCTION**
- 6. FELICITATION OF CHIEF GUEST**
- 7. CHIEF GUEST ADDRESS**
- 8. RELEASE OF JNNCE NEWS LETTER**
- 9. ADDRESS AND WISHES BY GUEST OF HONOR**
- 10. PRESIDENTIAL ADDRESS**
- 11. VOTE OF THANKS**



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Jawahar Lal Nehru National College of Engineering, Shivamogga-577204
 (Internal Quality Assurance Cell)
Department of Computer Science & Engineering
 National Workshop on "Research Avenues in Genomics"
Schedule (17-12-2018 to 21 -12-2018)



Date	9.30 AM TO 11.00 AM	11.00 AM - 1.00 PM	2.00 PM - 3.00 PM	3.45 PM TO 5.00 PM
Monday 17-12-2018	Registration and Inauguration Registration at 9.00 a.m	Key Note Address Dr. Malali Gowda TransDisciplinary University (TDU), Bangalore	Human Genome Project Dr. Joy Hoskeri, Dept. of Bioinformatics, Akkamahadevi Women's University, Vijayapura	Genomics introduction, NCBI and other database Dr. Joy Hoskeri, Dept. of Bioinformatics, Akkamahadevi Women's University, Vijayapura
Tuesday 18-12-2018	DNA Sequencing Dr. Satish K.M Agriculture University, Shivamogga	Making Sequencing from sequencing Dr. Vidya Niranjana, R.V college of engineering, Bengaluru	Gene Expression Data Processing Dr. Lalitha Rangarajan, Mysore University	Gene sequence analysis Dr. Lalitha Rangarajan, Mysore University
Wednesday 19-12-2018	MALDI-TOF-MS in biological Research Immunochemical Principles in Vaccinology Dr. S Shishupal	Bioinformatics tools Dr. Rudresh B.H Veterinary College, Shivamogga	Bioinformatics tools Dr. Rudresh B.H Veterinary College, Shivamogga	Transposons study and effect Dr. Narayana Murthy Pharmacy College, Shivamogga
Thursday 20-12-2018	Application of genomics in drug design Sandeep Mallya School of Life Sciences Manipal	Human population genomics Manik Vohra School of Life Sciences Manipal	Cell sequencing and alignment Dr. Bobby Paul School of Life Sciences Manipal	Metagenomics Apoorva Jnana School of Life Sciences Manipal
Friday 21-12-2018	Cancer Cell Sequencing Dr. Prabhakar B T Sahyadri College, Shivamogga	Cancer Cell Sequencing Dr. Prabhakar B T Sahyadri College, Shivamogga	Valedictory Function	



Jawaharlal Nehru National College of Engineering, Shivamogga
Department of Computer Science & Engineering

National Workshop on "Research Avenues in Genomics"
Attendance(17-12-2018)

Sl.No	Name	9:30-11:00	11:30-1:00	2:00-3:30	3:45-5:15
1.	Ms. Amani Ali Ahmed Ali				
2.	Mr. Chethan P J				
3.	Mr. Karthikeyan S M				
4.	Mr. Prashantha s j				
5.	Ms. Rashmi Mothkur				
6.	Mr. Sunil Kumar H R				
7.	Mr. Pruthvish R				
8.	Ms. Sowmya C				
9.	Mr. Madhu B.G.				
10.	Mr. Gowreesha H b				
11.	Mr. Devaraj F.V.				
12.	Mr. Chethan K G				
13.	Dr. Nirmala Shivanand				
14.	Mr. Vedanand D E				
15.	Mr. Sathyanarayan S				
16.	Mr. Sandeep B				
17.	Mr. Chakrapani D S				
18.	Mr. Narendra Kumar S				
19.	Dr. Poornima K M				
20.	Mrs. Sankhya Nayak				
21.	Mrs. Namritha M V				
22.	Mrs. Thaseen Bhashith				
23.	Mrs. Pushpa R N				
24.	Mrs. Sreedevi S				
25.	Mrs. Ayesha Siddiq				
26.	Mr. Sankhya Johar				
27.	Mr. Hiriyanna G S				
28.	Mr. Manohar Nelli				
29.	Dr. Sarjeev Kunte				
30.	Mrs. Ganavi M				
31.	Mrs. Sowmya D				
32.	Mr. Mohan H G				
33.	Mr. Nandish M				
34.	Dr. Jalesh Kumar				
35.	Dr. Manjula G R				
36.	Mr. Sushma R B				
37.	Mr. Chetan K R				
38.	Dr. Ravindra S				
39.	Mr. Benakappa S M				
40.	Mr. Anand Raj. S. N.				



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59



Jawaharlal Nehru National College of
Engineering, Shivamogga
Department of Computer Science &
Engineering



National Workshop on "Research Avenues in Genomics"
Attendance(18-12-2018)

Sl.No	Name	9:30-11:00	11:30-1:00	2:00-3:30	3:45-5:15
1.	Ms. Amami Ali Ahmed Ali				
2.	Mr. Chethan P J				
3.	Mr. Karthikeyan S M				
4.	Mr. Prashantha s j				
5.	Ms. Rashmi Mothkur				
6.	Mr. Sunil Kumar H R				
7.	Mr. Pruthvish R				
8.	Ms. Sowmya C				
9.	Mr. Madhu B.G.				
10.	Mr. Gowreeshha H b				
11.	Mr. Devaraj F.V.				
12.	Mr. Chethan K G				
13.	Dr. Nirmala Shivanand				
14.	Mr. Vedanand D E				
15.	Mr. Sathyanarayan S				
16.	Mr. Sandeep B				
17.	Mr. Chakrapani D S				
18.	Mr. Narendra Kumar S				
19.	Dr. Poornima K M				
20.	Mrs. Sankhya Nayak				
21.	Mrs. Namitha M V				
22.	Mrs. Thaseen Bhashith				
23.	Mrs. Pushpa R N				
24.	Mrs. Sreedevi S				
25.	Mrs. Ayasha Siddiqua				
26.	Mr. Sayyed Johar				
27.	Mr. Hiriyanna G S				
28.	Mr. Manohar Nelli				
29.	Dr. Sanjeev Kunte				
30.	Mrs. Ganavi M				
31.	Mrs. Sowmya D				
32.	Mr. Mohan H G				
33.	Mr. Nandish M				
34.	Dr. Jalesh Kumar				
35.	Dr. Manjula G R				
36.	Mr. Sushma R B				
37.	Mr. Chetan K R				
38.	Dr. Ravindra S				
39.	Mr. Benakappa S M				
40.	Mr. Anand Raj S. N.				



Jawaharlal Nehru National College of
Engineering, Shivamogga
Department of Computer Science &
Engineering



National Workshop on "Research Avenues in Genomics"
Attendance(19-12-2018)

Sl.No	Name	9:30-11:00	11:30-1:00	2:00-3:30	3:45-5:15
1.	Ms. Amani Ali Ahmed Ali				
2.	Mr. Chethan P.J				
3.	Mr. Karthikeyan S M				
4.	Mr. Prashantha s j				
5.	Ms. Rashmi Mothkur				
6.	Mr. Sunil Kumar H R				
7.	Mr. Pruthvish R				
8.	Ms. Sowmya C				
9.	Mr. Madhu B.G.				
10.	Mr. Gowreesha H B				
11.	Mr. Devaraj F.V.				
12.	Mr. Chethan K G				
13.	Dr. Nirmala Shivanand				
14.	Mr. Vedanand D E				
15.	Mr. Sathyanarayan S				
16.	Mr. Sandeep B				
17.	Mr. Chakrapani D S				
18.	Mr. Narendra Kumar S				
19.	Dr. Poornima K M				
20.	Mrs. Sankhya Nayak				
21.	Mrs. Nainitha M V				
22.	Mrs. Thaseen Bhashith				
23.	Mrs. Pushpa R N				
24.	Mrs. Sreedevi S				
25.	Mrs. Ayesha Siddiqua				
26.	Mr. Sayyed Johar				
27.	Mr. Hiriyanna G S				
28.	Mr. Manohar Nelli				
29.	Dr. Sanjeev Kunte				
30.	Mrs. Ganavi M				
31.	Mrs. Sowmya D				
32.	Mr. Mohan H G				
33.	Mr. Nandish M				
34.	Dr. Jalesh Kumar				
35.	Dr. Manjula G R				
36.	Mr. Sushrma R B				
37.	Mr. Chetan K R				
38.	Dr. Ravindra S				
39.	Mr. Benakappa S M				
40.	Mr. Anand Raj				



National Workshop on "Research Avenues in Genomics"
Attendance(20-12-2018)

Sl.No	Name	9:30-11:00	11:30-1:00	2:00-3:30	3:45-5:15
1.	Ms. Amami Ali Ahmed Ali	Ali	Ali	Ali	Ali
2.	Mr. Chethan P.J	Chethan	Chethan	Chethan	Chethan
3.	Mr. Karthikeyan S M				
4.	Mr. Prashantha s j				
5.	Ms. Rashmi Mothkur				
6.	Mr. Sunil Kumar H R				
7.	Mr. Pruthivish R				
8.	Ms. Sowmya C				
9.	Mr. Madhu B.G.				
10.	Mr. Gowreesha H b				
11.	Mr. Devaraj F.V.				
12.	Mr. Chethan K G				
13.	Dr. Nirmala Shivanand				
14.	Mr. Vedanand D E				
15.	Mr. Sathyannarayan S				
16.	Mr. Sandeep B				
17.	Mr. Chakrapani D S				
18.	Mr. Narendra Kumar S				
19.	Dr. Poorrma K M				
20.	Mrs. Sankhya Nayak				
21.	Mrs. Namitha M V				
22.	Mrs. Thaseen Bhashith				
23.	Mrs. Pushpa R N				
24.	Mrs. Sreedevi S				
25.	Mrs. Ayesha Siddiqua				
26.	Mr. Sayyid Johar				
27.	Mr. Hiriyanna G S				
28.	Mr. Manohar Nelli				
29.	Dr. Sanjeev Kunte				
30.	Mrs. Ganavi M				
31.	Mrs. Sowmya D				
32.	Mr. Mohan H G				
33.	Mr. Nandish M				
34.	Dr. Jalesh Kumar				
35.	Dr. Manjula G R				
36.	Mr. Sushma R B				
37.	Mr. Chetan K R				
38.	Dr. Ravindra S				
39.	Mr. Benakappa S M				
40.	Mr. Anand Raj				



Jawahar Lal Nehru National College of
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Department of Computer Science &
Engineering

National Workshop on "Research Avenues in Genomics"
Attendance(21-12-2018)

Sl.No	Name	9:30-11:00	11:30-1:00	2:00-3:30	3:45-5:15
1.	Ms. Amani Ali Ahmed Ali				
2.	Mr. Chethan P J				
3.	Mr. Karthikeyan S M				
4.	Mr. Prashantha S J				
5.	Ms. Rashmi Mothkur				
6.	Mr. Sunil Kumar H R				
7.	Mr. Pruthvish R				
8.	Ms. Sowmya C				
9.	Mr. Madhu B.G.				
10.	Mr. Gowreesha H b				
11.	Mr. Devaraj F.V.				
12.	Mr. Chethan K G				
13.	Dr. Nirmala Shivanand				
14.	Mr. Vedanand D E				
15.	Mr. Sathyanarayan S				
16.	Mr. Sandeep B				
17.	Mr. Chakrapani D S				
18.	Mr. Narendra Kumar S				
19.	Dr. Poornima K M				
20.	Mrs. Sankhya Nayak				
21.	Mrs. Namitha M V				
22.	Mrs. Thaseen Bhashith				
23.	Mrs. Pushpa R N				
24.	Mrs. Sreedevi S				
25.	Mrs. Ayasha Siddiqua				
26.	Mr. Sayyed Johar				
27.	Mr. Hiriyanna G S				
28.	Mr. Manohar Nelli				
29.	Dr. Sanjeev Kunte				
30.	Mrs. Ganavi M				
31.	Mrs. Sowmya D				
32.	Mr. Mohan H G				
33.	Mr. Nandish M				
34.	Dr. Jalesh Kumar				
35.	Dr. Manjula G R				
36.	Mr. Sushma R B				
37.	Mr. Chetan K R				
38.	Dr. Ravindra S				
39.	Mr. Benakappa S M				
40.	Mr. Anand Raj				



National Education Society
 Jawahar Lal Nehru National College of Engineering, Shivamogga-577204
 Department of Computer Science & Engineering
 National Workshop on "Research Avenues in Genomics"

17th to 21st Dec 2018

FEEDBACK FORM

Name : Thaseen Bhasrith
 Address : Dept. of CSE,
 JNCE, Shivamogga
 E-mail : thaseen194@jnncce.ac.in
 Cell No. : 9448912870
 Your opinion about it:

SL.No		Not Satisfactory	Satisfactory	Good
1	TECHNICAL SESSIONS			✓
2	FOOD		✓	
3	ACCOMMODATION		✓	-
4	HOSPITALITY		✓	
6	OVERALL ARRANGEMENTS		✓	

In your opinion which are the major strengths of the Workshop

1. Neatly organized
2. Good resource persons having knowledge.
3. Food is OK.
4. Fed is OK.

In your opinion which are the major weakness of the Workshop

1. Less number of participants.
- 2.
- 3.
- 4.

Any other Suggestions: Conduct these types of workshops atleast
 once in a year

(Please return this form completed in all respects to the conveners during valediction)



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Department of Computer Science & Engineering
National Workshop on "Research Avenues in Genomics"

17th to 21st Dec 2018

FEEDBACK FORM

Name : Rashmi Methkuer
Address : Rayananda Sagar University
Bengaluru
E-mail : rashmimethkuer@gmail.com
Cell No. : 9916091626

Your opinion about:

SL.No		Not Satisfactory	Satisfactory	Good
1	TECHNICAL SESSIONS			✓
2	FOOD			✓
3	ACCOMMODATION			✓
4	HOSPITALITY			✓
6	OVERALL ARRANGEMENTS			✓

In your opinion which are the major strengths of the Workshop
1. Workshop was excellent, as an introduction into the genomics field.
2. It was well structured, insightful.
3. Educative about the data management, analysis of genomics.
4. Practices, tools involved.
In your opinion which are the major weakness of the Workshop

- 1.
- 2.
- 3.
- 4.

Any other Suggestions:



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 Department of Computer Science & Engineering
 National Workshop on "Research Avenues In Genomics"

17th to 21st Dec 2018

FEEDBACK FORM

Name : SUNIL KUMAR . H R.
 Address : Asst. Prof, Department of CSE
 PESITM, NH-206, Shivamogga - 577204
 E-mail : sunilhr@pestoest.edu.in
 Cell No. : 9663883993

Your opinion about:

SL.No		Not Satisfactory	Satisfactory	Good
1	TECHNICAL SESSIONS			✓
2	FOOD			✓
3	ACCOMMODATION			✓
4	HOSPITALITY			✓
6	OVERALL ARRANGEMENTS			✓

In your opinion which are the major strengths of the Workshop

1. Resource Person
2. Coordination
3. Time flexibility
4. Target Audience

In your opinion which are the major weakness of the Workshop

1. Handpon session could have been better choice
- 2.
- 3.
- 4.

Any other Suggestions:

(Please return this form completed in all respects to the conveners during valediction)



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Jawahar Education Society
National College of Engineering Shivanmanga-577204
Department of Computer Science & Engineering
National Workshop on "Research Avenues in Genomics"

17th to 21st Dec 2018

FEEDBACK FORM

Name : CHEITHON P J
Address : Asst. Professor
Dept of CS & E
NIT, Chikmagalur
E-mail : cheithon.petkar@gmail.com
Cell No. : 9844689853

Your opinion about:

SL.No		Not Satisfactory	Satisfactory	Good
1	TECHNICAL SESSIONS			✓
2	FOOD			✓
3	ACCOMMODATION			✓
4	HOSPITALITY			✓
6	OVER ALL ARRANGEMENTS			✓

In your opinion which are the major strengths of the Workshop

1. Basics about Genomics
2. Basics about Zebrafish
- 3.
- 4.

In your opinion which are the major weakness of the Workshop

1. Better if provided with Handson session
2. Helpful if provided with some learning at tools
- 3.
- 4.

Any other suggestions:

(Please return this form completed in all respects to the conveners during validation)



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 (Internal Quality Assurance Cell)
Department of Computer Science & Engineering
 National Workshop on “**Research Avenues in
 Genomics**”



(17-12-2018 to 21-12-2018)

One week workshop on “**Research Avenues in Genomics**” organized by Computer Science & Engineering Department of JNNCE from 17.12.2018 to 21.12.2018 was inaugurated by Dr.Malali Crowda, Prof. & Head, Centre for functional Genomics & Bioinformatics, University of Transdisciplinary & Health Sciences, Bengaluru on 17.08.2018 at JNNCE Campus.

The President of National Education Society, Sri. A S Vishwanatha and Dr. I. K Sreepathi, Vice Principal of JNNCE, Dr. Nirmala Shivanand, HoD, and Dept. of CS & E were present on the occasion. The programme was presided over by Dr. H.R Mahadevaswamy, Principal of JNNCE.

Dr. Malali Crowda in his inaugural address highlighted the applications of genomics ranging from improving agricultural crops, designing gene specific medicines, cloning, improving quality crops, animals. He emphasized that there is huge scope in research in the area of genomics and computational genomics would help to get work done faster. He also emphasized on the need to get different departments to get together to achieve these goals faster.

Afternoon sessions on first day were handled by Dr. Sandeep Telkar. He gave introduction to basics of genomics by familiarizing the audience with terms DNA and components, proteins, difference between genetics and genomics. He also highlighted the increasing research in the area of genomics in drug design.

The first session on 15th was handled by Dr. Satish K.M, he discussed how DNA sequencing is used to determine sequence of individual genes, larger genetic regions, chromosomes or entire genomes of organisms. He highlighted DNA sequencing has become a key technology in many areas of science, medicines, forensics, and anthropology to name a few.

Dr. Vidya Niranjan mentioned genome produces huge amount of dat. Sequencing is used to identify persons and a trove of predictors of genetic medical diseases, deliver biomedically significant information about persons.

Organized by Department of Computer Science and Engineering.

On 18th afternoon Dr. Lalitha Rangarajan handled 2 sessions. She briefed the audience about the use of SVM. K means clustering, decision trees in gene expression data processing and role of R-Programming language. She gave a glimpse of how to use existing data and analyse them.

On 19th Dr. Shishupala briefed us about MAJDI-TOF . He gave an interesting lecture on immunochemical principals in vaccinology.

Dr. Rudresh B H introduced the faculty to the various databases in NCBI and he demonstrated various tools used in processing and analyzing the genome data.

Dr. Narayana Murthy talked about transposons- an element in a DNA sequence that can change its position within a genome, sometimes creating or reversing mutations and altering the cell's genetic identity and genome size and how this can be used to advantage in pharmaceutical applications.

On 20th Prof. Sandeep Mallya highlighted the areas where computer science can work hand in hand with bioinformaticians to develop tools to speed up the process of processing and analyzing the genome data.

Manik Vohra talked about human genomics, vast possible applications, legal and ethical issues and research opportunities.

Dr. Bobby Paul showed how genome data looks like. He highlighted on the need to reduce data size and the role of computer scientists in that. He demonstrated reading and sequencing data and making sense of it.

Ms. Apoorva Inama talked about metagenomics and the machines that are under construction using bacteria information in wounds to prescribe personalized antibiotics.

On 21st Dr. Prabhakar B T educated the audience on Cancer, causes, cancer statistics in India, types of cancers and its molecular basis, cancer genome, methods of sequencing and self-care, and data analysis.

The Medicolectory Sri. S.N. Nagaraja, Secretary, N.E.S. Dr. L.K. Sripathi, Vice Principal, Dr. Nirmala Shivanand, HoD, dept. of CS & E, and Dr. Prabhakar were present.

A total of 40 participants registered for the workshop. Beside participants from our college, participants from BLSH&M, Shimoga, BHE Davangete, AII chikkamagaluru, Saphagiri College of Engineering Bangalore, AII- Bangalore, Dayanand Sagar University- Bangalore, Kuvempu university and University of Agriculture and Horticultural Shimoga also attended the workshop.

CO-ordinators

K. M. May