



DST-INSPIRE INTERNSHIP SCIENCE CAMP

Scheme for Early Attraction of Talents for Science (SEATS)

21-26 DECEMBER 2019

CENTRAL UNIVERSITY OF KERALA, KASARAGOD -671 316, KERALA, INDIA

Dated: 19 December 2020

To

Dr. Umesh K. Sharma
Scientist –F
INSPIRE Programme Division
Department of Science & Technology
New Delhi- 110 016

Dear Sir,

Sub: DST-INSPIRE Internship Science Camp-Organized by Central University of Kerala, Kasaragod during the period from 21-26 December 2019- Submission of SE and UC with other documents.
Ref: DST guidelines to conduct the Science Camp

I am herewith submitting the SE and UC along with the necessary documents in connection with DST-INSPIRE Residential Science Camp Organized by Central University of Kerala, Kasaragod during the period from 21-26 December 2019.

List of Documents include

1. Sanction Order of DST-INSPIRE Internship Science Camp
2. List of Participating Students with Cut off marks their Education board like State Education board, CBSE, ICSE etc.
3. Five days attendance of the students
4. List of Mentors with their contact details and title of the talk
5. Programme Schedule followed in the Camp
6. Mentors feedback
7. Student Feedback summary in the given format(Complied by the Programme Coordinator)
8. Innovative idea write-ups to the Top Three winners
9. Programme Coordinators feedback
10. Detailed report of the Camp
11. Residential Camp Certificate
12. SE and UC

Thank You

Yours Faithfully

Dr. Sudha K. ,Programme Co-ordinator ,DST-INSPIRE Science Camp, Central University of Kerala

No. INSPIRE INTERNSHIP/8/2019-20/5
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF SCIENCE AND TECHNOLOGY
(INSPIRE PROGRAM)

Technology Bhawan
New Mehrauli Road
New Delhi-110 016
Date: 13th December, 2019

SANCTION ORDER

Subject: Financial assistance for organizing the INSPIRE Internship Science Camp (Ref. no. DST/INSPIRE/01/2019/000589) during 22-26 December, 2019 at Central University of Kerala, Tejaswini Hills, Kasaragod-671316, Kerala.

PI: Dr. Sudha Kappalli, Professor/Program Co-ordinator, Department of Zoology, Central University of Kerala, Tejaswini Hills, Kasaragod-671316, Kerala.

Sanction of the President is hereby conveyed for the organization of above mentioned INSPIRE Internship Science Camp for 150 students during 22-26 December, 2019 at Central University of Kerala, Tejaswini Hills, Kasaragod-671316, Kerala at a total cost, General component, not exceeding Rs. 9,75,000/- (Rupees Nine Lakh and Seventy-Five Thousand only)

2. Sanction of the President is also accorded to the General component release of Rs. 8,00,000/- (Rupees Eight Lakh only) to the Central University of Kerala, Tejaswini Hills, Kasaragod-671316, Kerala as the initial grant for organizing the above mentioned program and the final release will be made on receipt of Utilization Certificate and Statement of Expenditure from the host Institute.

3. It is certified that travel by Air/Rail Road (Car Taxi etc.) in this case is urgent and considered necessary in the public interest. The sanction of the President is also accorded to the performance of Journey by Air/Train (1st Class/AC2tier/AC3tier) Road (Own Car/taxi etc.) by the participants as per their entitlement in their parent organization.

4. Host Institute will furnish financial records in the form of the Statement of Expenditure and Utilization Certificate duly reflecting the interest earned/accrued on the above received amount by them along with INSPIRE Internship Science Camp Completion Report to DST. After receiving these documents, DST will release the next/Final installment amount if applicable. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and final completion report within one year from the scheduled date of completion.

5. The grantee organization will maintain separate audited account for the project and the entire amount of grant will be kept in an interest bearing bank account. For Grants released during F.Y. 2017-18 and onwards, all interests and other earnings, against released Grant shall be remitted to Consolidated Fund of India, immediately after finalization of accounts, as it shall not be adjusted towards future release of grant. A certificate to this effect shall have to be submitted along with Statement of Expenditure/Utilization Certificate for considering subsequent release of grant/closure of project accounts.

6. The expenditure involved is to be debited to
Demand No. 86 – Department of Science and Technology
3425. Other Scientific Research (Major Head)
60 – Other (Sub-Major Head)
60 200 – Assistance to other Scientific Bodies (Minor Head)
68 – Science & Technology Institutional and Human Capacity Building
68.00.31 – Grant-in-aid General for the year 2019-2020 (Voted)
(Previous: 56 03.31 -Alliance and R&D Mission)

7. The amount of Rs.8,00,000/- (Rupees Eight Lakh only) will be drawn by the Drawing and Disbursing Officer, DST and will be disbursed to the Central University of Kerala, Tejaswini Hills, Kasaragod-671316, Kerala. The bank details for electronic transfer of funds through RFGS are given below: -

Name of the Account Holder: Central University of Kerala, Tejaswini Hills Kasaragod- 671 316 Kerala
Bank and Branch Name: Canara Bank
Accounts No: 0711101068500
IFSC Code: CNRB0004111

Cont. 2-

8. The account of the grantee organization shall be open to inspection by the sanctioning authority and audit (both by C&AG of India and Internal Audit by the Principal Accounts Office of the DST), whenever the organization is called upon to do so, as laid down under Rule 236(1) of General Financial Rules 2017.

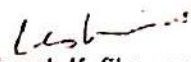
9. The grantee organization will have to enter & upload the utilization certificate in the PFMS portal. The subsequent final installment will be released only after confirmation of the acceptance of the UC by online portal and of entry of previous UCs by the division.

10. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Department of Science & Technology should invariably be highlighted/acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

11. Failure to comply with the terms and conditions of the scheme will entail full refund with interest in terms of Rule 231 (2) of GFR 2017.

12. The sanction issue under the powers delegated to the Ministries and with the concurrence of the Integrated Finance Division, Department of Science and Technology vide their Dy. No. C/4601/IFD/2019-20 dated 12.12.2019.

13. The Sanction Order is entered vide INSPIRE Sl. No. 522 in the Register of Grants.


(Dr. Umesh K. Sharma)
Scientist -E

Copy forwarded for information and necessary action to: -


1. Copy with two spare copies of the sanction to the Drawing and Disbursing Officer, DST, New Delhi.
2. Pay & Accounts Officer, DST, New Delhi.
3. Sanction Folder, DST, New Delhi.

4. The Principal Director of Audit
A.G.C.R. Building
IIIrd Floor, I.P. Estate
New Delhi-110 002

5. The Registrar
Central University of Kerala
Tejaswini Hills
Kasaragod-671316, Kerala.

6. Dr. Sudha Kappalli
Professor/Program Co-ordinator
Department of Zoology
Central University of Kerala
Tejaswini Hills
Kasaragod-671316, Kerala.

7. File Copy


(Dr. Umesh K. Sharma)
Scientist -E




DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students



Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
01	Aadhika Farsana A.M.	JNV Thiruvananthapuram	Thiruvananthapuram	 AADHIKA FARSANA A M 5650-4565-7315	A1
02	Aapti S. Leia	Jawahar Navodaya Vidyalaya, Chendayad	Kannur	 9298-1518-6899	A1
03	Aarya Nanda Sajan	Amrita Vidyalayam Pookode	Kannur	 2758-1135-0281	A1
04	Abhijith S	JNV Palakkad	Palakkad	 7102-2663-3886	A1
05	Abhijith V	St. Mary's HSS, Vellaramkunnu	Idukki	 7176-4636-7960	100



DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students






Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
06	Abhinand P.K.	GHSS Chattukappara	Kannur	 5025-7022-6471	100
07	Abhinand Salajan	GHSS Prapoyil	Kannur	 9123-1652-2532	100
08	Abhinav N.K.	GHSS Kadannappally	Kannur	 8365-0773-9216	96.4
09	Abhineeth K	GHSS Balla East Kanhangad	Kasaragod	 6509-2057-8699	100
10	Abhirag Vishnu Prabheer	Kendriya Vidyalaya Payyannur	Kannur	 7589-3466-8687	A1



DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students






Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
11	Abhishek Babu	St. Mary's HSS, Vellaramkunnu	Idukki	 6330-5541-9331	100
12	Abhishek C	GMBHSS Harippad	Alapuzha	 5186-2797-4479	100
13	Abhishek P.	PPM HSS Kottukkara	Malappuram	 3809-9871-5668	100
14	Adarsh P.	GHSS Udma	Kasaragod	 8272-4804-9316	99
15	Adhila Zainab	GHSS Pattambi	Palakkad	 ADHILA ZAINAB 3690-7764-6512	100



DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students

Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
16	Adithya K.	Kadachira HSS	Kannur	 ADITHYA K 5041-8406-4465	100
17	Aditya Das	GHSS Balanthode	Kasaragod	 7083-3515-1461	100
18	Aghilesh S.	Chovva HSS	Kannur	 3745-7713-1713	100
19	Aiswarya Rajeev	Chovva HSS	Kannur	 8271-6246-8016	100
20	Akash B	Model TechnicalHSS Kaloor	Ernakulam	 AKASH B 5016-7927-7953	100



DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students






Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
21	Nandana K V	CHSS Chattanchal	Kasaragod	 2891-7664-1288	100
22	Akshay Ashok	Kendriya Vidyalaya Kanhangad	Kasaragod	 2352-2369-3034	A1
23	Akshay Jaymon	JNV Malappuram	Malappuram	 4554-6577-9502	A1
24	Albin K Ajith	SCS HSS Thiruvalla	Pathanamthitta	 2743-7382-2396	100
25	Aleena Antony	JNV Chennithala	Alappuzha	 ALEENA ANTONY 7258-4785-9249	A1



DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students






Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
26	Aleena Susan Philip	MGMHSS Thiruvalla	Pathanamthitta	 9850-2328-8132	100
27	Alex Tomy	St. Thomas HSS, Thomapuram	Kasaragod	 ALEX TOMY 9101-3450-7906	100
28	Alphy Joshy	Dr.Ambedkar GHSS, Kodoth	Kasaragod	 3930-4183-1027	97.4
29	Amal Krishnan K.	GHSS Alanallur	Palakkad	 4319-4994-8218	100
30	Aman Rose	GHSS Vellur	Kannur	 AMAN ROSE 3763-8535-5164	100



DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students

Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
31	Amith M Nambiar	CHSS Chattanchal	Kasaragod	 3989-9130-6437	100
32	Anagha Reghu	MGM HSS Thiruvalla	Pathanamthitta	 8002-4777-0404	100
33	Anand P S	GHSS Vellur	Kannur	 ANAND P S 3538-9671-6865	100
34	Anand S.	JNVChettachal	Thiruvananthapuram	 ANAND S 2673-3651-4446	A1
35	Anandh Krishna M.	Perambra HSS Perambra	Kozhikode	 3865-8233-0676	100








DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students



Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
36	Ananthu P M	BJSM Madathil VHSS	Alapuzha	 4561-2768-8364	100
37	Anjali V.	CJHSS, Chemnad	Kasaragod	 2715-6679-2007	100
38	Anjana J Nair	CHSS Chattanchal	Kasaragod	 ANJANA J NAIR 5938-0898-3912	100
39	Arathi Anil	St. Thomas HSS, Thomapuram	Kasaragod	 ARATHI ANIL 5315-7219-7904	100
40	Arjun Ramesh	CHSS Chattanchal	Kasaragod	 ARJUN RAMESH 6766-9028-5990	100








DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students



Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
41	Arshya Dhanaraj	Chovva HSS	Kannur	 7467-8364-8772	100
42	Arya Aravind	AVHSS Ponnani	Malappuram	 2571-0784-9088	100
43	Arya Narayanan MK	Jawahar Navodaya Vidyalaya, Periye	Kasaragod	 7176-3400-1365	A1
44	Aswathi Raveendran	Jawahar Navodaya Vidyalaya, Periye	Kasaragod	 3055-0063-2397	A1
45	Aswin Suresh	GMBHSS Harippad	Alappuzha	 3176-4427-4722	100



DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students

Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
46	Ayshwarya Ashok	CHSS Chattanchal	Kasaragod	 5884-3671-4199	100
47	Berry Shravan	GMBHSS Haripad	Alappuzha	 2551-0543-8263	100
48	Bhagyalakshmi P S	JNV Palakkad	Palakkad	 3596-4395-0628	A1
49	Bhavana Babu	Kadachira HSS	Kannur	 BHAVANA BABU 2610-9049-1019	100
50	Chaithanya S.	GHSS Alanallur	Palakkad	 9161-0281-9346	100






DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students



Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
51	Chandrodharan Nair S	GHSS Balla East Kanhangad	Kasaragod	 8015-5118-8687	100
52	Christo Adolf	St. Thomas HSS, Thomapuram	Kasaragod	 CHRISTO ADOLF 2574-0675-9347	100
53	Delna K. Saji	St. Thomas HSS Nadavayal	Wayanad	 MAHEW 4182-9947-4077	96
54	Devi Nandana S	SM HSS Patharam	Kollam	 DEVI NANDANA.S 6614-8103-5285	100
55	Dhanush K.	GMBHSS Thevally	Kollam	 7457-9621-7452	100








DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students



Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
56	Divin	SKMJ HSS Kalpetta	Wayanad	 3388-2415-5339	100
57	Drishya P Raj	GHSS Pilicode	Kasaragod	 5718-4885-0146	98
58	Farshan Yoosuf	GHSS Kokkallur	Kozhikode	 2244-4315-7022	100
59	Fathima Fidha K.P.	GHSS Othukkungal	Malappuram	 3692-7206-8054	100
60	Kalidas Viswam	Durga HSS Kanhangad	Kasaragod	 3642-0767-6578	96.2



DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students



Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
61	Fathimathul Masna K.T.	GGHSS Thalassery	Kannur	 5432-9451-1943	95
62	Fihad Latheef A.	Razi International School Kottakkal	Malappuram	 7639-7724-5136	A1
63	Gayathri Balakrishnan	CHSS Chattanchal	Kasaragod	 GAYATHRI BALAKRISHNAN 3451-6910-7218	100
64	Gopika T.	GMM GHSS Palakkad	Palakkad	 9620-1102-4587	100
65	Greeshma V	AVHSS Ponnani	Malappuram	 9205-8281-2014	100








DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students








Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
66	Helen Mary Shaju	Sacred Heart Convent Girls HSS Thrissur	Thrissur	 3911-3352-7647	100
67	Hima Sankar	GHSS Cherpulassery	Palakkad	 9216-4016-0032	100
68	Honey Renjan E	CP HSS Kuttikkadu	Kollam	 9619-9587-8828	95.6
69	Hyfa Sulaikha	K VNo 1 CPCRI Kasaragod	Kasaragod	 2996-0342-8181	A1
70	Janak Ramesh	SKMJ HSS Kalpetta	Wayanad	 5296-8077-4818	100



DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students

Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
71	Janfy Nihal K	HMY HSS Manjeri	Malappuram	 JANFY NIHAL K September 15, 2019 9082-3424-3750	100
72	Suvarnnini K N	Durga HSS Kanhangad	Kasaragod	 8812-5396-0705	97.2
73	Jithin Krishnan K.	CHSS Chattanchal	Kasaragod	 JITHIN KRISHNAN K 5076-9748-8367	100
74	Joshika Renu	JNV Chennithala	Alapuzha	 JOSHIKA RENU 6729-9891-6555	A1
75	K. Indulekha	Chinmaya Vidyalaya	Kannur	 8296-4596-8640	A1





DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students



Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
76	Kalyani Prasad	GHSS Mullassery	Thrissur	 5305-6071-6237	100
77	Kannan E	K V Kanhangad	Kasaragod	 4182-4000-0643	A1
78	Krishna Narayanan	CHSS Chattanchal	Kasaragod	 5407-6848-0163	100
79	Krishnahari S	GHSS Vellur	Kannur	 3763-1423-1728	100
80	Krishnendu E.S.	Sacred Heart Convent Girls HSS Thrissur	Thrissur	 7153-4117-6031	100



DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students



Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
81	Lakshmi R.	GHSS Alanallur	Palakkad	 7507-4752-3750	100
82	Lakshmipriya A.	Koodali HSS	Kannur	 5477-6676-6331	100
83	Lasna Sherin V T	JNV Palakkad	Palakkad	 2893-7934-5145	A1
84	Lekshmi Prasad	SCS HSS Thiruvalla	Pathanamthitta	 LEKSHMI PRASAD 6984-5445-0648	100
85	Lekshmipriya U.	Metropolitan HSS Puthencavu	Alappuzha	 4805-7620-8218	100








DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students



Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
86	M Areena	Amrita Vidyalayam Pookode	Kannur	 4421-7705-4841	A1
87	Mariya Christy Thomas	Jawahar Navodaya Vidyalaya, Periye	Kasaragod	 6459-0485-4459	A1
88	Mariya Paulson	Sacred Heart Convent Girls HSS Thrissur	Thrissur	 3077-9179-9247	100
89	Meera V.	Alphonsa EMS, Thamarassery	Kozhikode	 2365-6315-4471	A1
90	Abhinand S	JNV Chendayad Kannur	Kannur	 3931-8170-8970	A1








DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students



Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
91	Mohammed Abdulla A.K	Durga HSS, Kanhangad	Kasaragod	 4610-4649-7756	95
92	Muhammed Razi C K P	GFHSS Cheruvathur	Kasaragod	 9708-5895-3334	100
93	Mohammed Shanif K V	PPM HSS Kottukkara	Malappuram	 MUHAMMED SHANIF K V 7884-1373-3196	100
94	Muhammed Shifin P.P.	GHSS Vettathur	Malappuram	 9427-8064-4691	96
95	Mohammed Suhail K M	GMVHSS Kunnamkulam	Thrissur	 6780-0758-1601	100




DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students



Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
96	Muneeswararaj M	Shobha Icon HSS Moolamkode	Palakkad	 MUNEESWARARAJ M 8278-1963-6632	100
97	Nandana Menon K.	GMM GHSS Palakkad	Palakkad	 NANDANA MENON K 6507-5463-1675	100
98	Navya C.	GHSS Kundamkuzhy	Kasaragod	 NAVYA C 5846-0976-8189	100
99	Nihal Ibrahim P.P.	GHSS Vettathur	Malappuram	 NIHAL IBRAHIM P.P 5922-0389-7981	100
100	Nikhitha M.	CJHSS, Chemnad	Kasaragod	 NIKHITHA M 6718-6574-3725	100



DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students



Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
101	Niyuktha Anilkumar V.	GHSS Kuttamath	Kasaragod	 6547-1525-4435	100
102	Noorfathima	St. Theresa's BCHSS Chengaroor	Pathanamthitta	 7374-5738-6586	100
103	Paresh K.V.	GHSS Udma	Kasaragod	 PARESH K V 7612-9485-6379	100
104	R Devanand	MG HSS Pala	Kottayam	 R. DEVANAND 5272-7465-6767	100
105	Rahul K.	EMEA HSS Kondotty	Malappuram	 RAHUL K 23-11-2019 7546-6281-3037	100



DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students

Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
106	Rajanandana N.	CGHSS Vadakkancherry	Palakkad	 3330-4590-7809	100
107	Reva P.	CHSS Chattanchal	Kasaragod	 7754-1660-5607	100
108	Rinesh P.	Durga HSS, Kanhangad	Kasaragod	 6875-5560-8011	100
109	Rishan Muhammed	Razi International School Kottakkal	Malappuram	 9935-3353-8269	A1
110	Rithika Ramesh	Kendriya Vidyalaya, Keltron Nagar	Kannur	 9881-6345-3179	A1








DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students



Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
111	Rosamma P.George	St. Thomas HSS, Thomapuram	Kasaragod	 ROSAMMA P. GEORGE 9600-4747-3178	100
112	Roshni R	JNV Chennithala	Alappuzha	 ROSHNI R 8799-6676-2838	A1
113	Ruth Roben	MGM HSS Thiruvalla	Pathanamthitta	 7155-0374-5599	100
114	Rwithuparna P. Rajeev	GHSS Naduvannur	Kozhikode	 8781-3537-4022	100
115	Sabith Rahman K C	PPM HSS Kottukkara	Malappuram	 SABITH RAHMAN KC 25-04-2019 7970-9014-7976	100







DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students








Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
116	Sachu V Joseph	St. Mary's HSS, Vellaramkunnu	Idukki	 5958-4006-0442	100
117	Salghosh S	Shobha Icon HSS Moolamkode	Palakkad	 8436-7869-2415	100
118	Saniya Bharathan K	GHSS Kuttamath	Kasaragod	 4322-3285-7011	100
119	Serah Susan Jacob	Nirmala Public School	Ernakulam	 7305-2583-5260	A1
120	Sharon Dawson	St. Thomas HSS, Thomapuram	Kasaragod	 2800-7036-0330	100



DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students

Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
121	Shazma A S	K V Kanhangad	Kasaragod	 3924-9737-2212	A1
122	Sheersh K.	Durga HSS, Kanhangad	Kasaragod	 4075-6412-4936	100
123	Shivadath A.	Jawahar Navodaya Vidyalaya, Periye	Kasaragod	 8352-7074-7845	A1
124	Shivani Sreekumar	Chinmaya Vidyalaya	Kannur	 3914-6032-9933	A1
125	Sidharth E T	Kendriya Vidyalaya Payyannur	Kannur	 9635-4004-7971	A1








DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students



Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
126	Sneha K	CHSS Chattanchal	Kasaragod	 3909-9446-6394	100
127	Sona N.S.	GHSS Kadannappally	Kannur	 4663-0605-9580	100
128	Soorya K.	GFHSS Cheruvathur	Kasaragod	 7571-2073-6320	100
129	Sooryakeerthi P. S.	SNHSS, Irinjalakuda	Thrissur	 9377-4596-9706	100
130	Sourav A .	GHSS Vellur	Kannur	 SOURAV A 7216-2682-2822	100








DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students








Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
131	Sreedutt Ram J	Kendriya Vidyalaya, Keltron Nagar	Kannur	 SREEDUTT RAM J 16.08.2019 3317-5411-4633	A1
132	Sreehari K	GHSS Balla East Kanhangad	Kasaragod	 6823-4660-8342	100
133	Sreeharshan M	GHSS Kadannappally	Kannur	 6563-9971-0747	96.8
134	Sreerag K.	JNV Malappuram	Malappuram	 5950-4453-4133	A1
135	Sreya S. Nambiar	CHSS Chattanchal	Kasaragod	 SREYA S NAMBIAR 2508-2442-9256	100



DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students

Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
136	Sreyas Lal H.	St.Thomas College HSS Thrissur	Thrissur	 SREYAS LAL H 30/11/2019 5445-6639-4697	100
137	Srutharth K.	GGHSS Balussery	Kozhikode	 2992-1249-4960	100
138	Sruthi K.K.	GMM GHSS Palakkad	Palakkad	 4632- 3301-7630	100
139	Sujith K J	EM GHSS Fort Kochi	Ernakulam	 3586-0306-9223	100
140	Swaraj K.K.	Jawahar Navodaya Vidyalaya, Periye	Kasaragod	 6557-0910-4677	A1





DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students



Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
141	Thara Rajeev	Hari Sri Vidya Nidhi School, Punkunnam	Thrissur	 7978-7165-4706	A1
142	Tom Cherian	St.Mary's HSS Pattom	Trivandrum	 8330-2854-5098	100
143	Unniyarcha L.	GGHSS, Thazhava	Kollam	 8228-4687-3894	100
144	Vaishakh O.V.	Durga HSS, Kanhangad	Kasaragod	 5824-9223-9384	95.4
145	Visal Mohanan	NSS HSS, Kidangoor	Kottayam	 5994-0072-6781	100



DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students

Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
146	Midhunraj V	Durga HSS Kanhangad	Kasaragod	 4680-7823-2367	100
147	Vyshnav Santhosh	GHSS Kadannappalli	Kannur	 6138-0946-5027	100
148	Zaajil Ahammed K P	PPM HSS Kottukkara	Malappuram	 7742-4977-7449	100
149	Zaina Thamanna P	K VNo.1 CPCRI Kasaragod	Kasaragod	 7522-8421-2522	A1
150	Zakiyya P.	GGHSS, Thalassery	Kannur	 6332-5875-4614	100




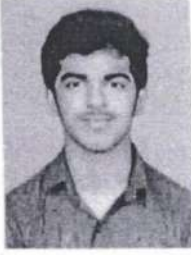



DST INSPIRE SCIENCE CAMP 2019
December 21-26,2019
Central University of Kerala,Periye, Kasragod



List of Selected Students



Reg. No	Name	School	District	Photo & AADHAAR	Percentage of Marks
151	Nandana E	HHSIB Swamiji's HSS, Edneer	Kasaragod	 6805-38539475	100
152	Vyshak K	Govt. HSS Balla East, Kanhangad	Kasaragod	 9797-9920-3503	100
153	Arunima N K	CHSS Chattanchal, Thekkil	Kasaragod	 8320-6443-5845	100
154	Jishnu K	Kadambur HSS	Kannur	 3975-1310-6345	100
155	Deepa K	K.V Kanhangad	Kasaragod	 5994-3515-8722	A1

Central University of Kerala
INSPIRE Internship Science Camp
21-26 December 2019

MENTORS DETAILS

Sl. No.	Name of the Mentor	Address	Title of the Talk
1.	Prof. (Dr.)K. Muralidhar	University of Hyderabad Indian National Science Academy (INSA) Fellow	What is Biology Education?
2.	Prof.(Dr.)C. Vijayan	Indian Institute of Technology (IIT) Madras	The Charm of Physics
3.	Dr. Mahesh Hariharan	Indian Institute of Science Education & Research (IISER), TVM	Exciting Science of Fast Photography
4.	Dr. M.Jayananda	Centre for Earth, Ocean & Atmospheric Sciences, University of Hyderabad	Sustainability in the context of Global Environmental and Climate Change
5.	Dr. R. Rajendra Kumar	Kerala Veterinary & Animal Science University (KVASU)	Career Avenues in Dairy and Food Processing
6.	Dr. Kuruvilla Joseph	Indian Institute of Space Science & Technology	Micro to Nano: Challenges and Possibilities
7.	Dr. A. Vijayakumar	CUSAT, Cochin	Invisible Mathematics
8.	Dr.M.R.Sudarsanakumar	University of Kerala, TVM	Periodic Table and Story of Elements
9.	Dr. G. Anilkumar	Vellore Institute of Technology	The Unsung Heroes of Science
10.	Dr.Suresh Das	Indian Institute of Science Education & Research (IISER), TVM	Opportunities in Science



Innovation in Science Pursuit
for Inspired Research



A National Programme being implemented by the
Department of Science & Technology
Government of India

Scheme For Early Attraction of Talents for Science [SEATS]

FIVE DAY RESIDENTIAL INSPIRE INTERNSHIP SCIENCE CAMP

for
Plus one students
2019 December 21-26

Organised by



Central University of Kerala
Periye, Kasaragod

Invitation

Dear Colleague,

We are so glad to inform that, the Central University of Kerala, Kasaragod, is hosting the **Innovation in Science Pursuit for Inspired Research (INSPIRE) Internship** for Plus One students. This innovative programme is implemented by the Department of Science and Technology, Government of India for attracting young talents towards Science. The main objective of INSPIRE is to communicate the young students of the country the excitements of creative pursuit of Science and attract talents to the study of Science at an early age, thus building the required critical human resource pool for strengthening and expanding the Science and Technology system and Research & Development base in our Country.

The INSPIRE Internship residential programme is scheduled from **21-26 December 2019**. The venue for the programme is **Seminal Hall, Kabani Hostel, Central University of Kerala, Periyar, Kasaragod, Kerala**.

The opening ceremony will be held on 21st December 2019 at 2.30 PM with **Prof. (Dr.) M. R. Prathapachandra Kurup**, Dean, School of Physical Science and School of Earth Science Systems, Central University of Kerala welcoming the gathering and **Prof. (Dr.) K. Jayaprasad**, Hon'ble Pro. Vice Chancellor, Central University of Kerala, delivering the presidential address. **Prof. (Dr.) G. Gopa Kumar**, Hon'ble Vice Chancellor, Central University of Kerala, will inaugurate the programme. **Dr. K. Radhakrishnan Nair** Registrar Central University of Kerala will address the participants. Keynote Address will be delivered by **Prof. (Dr.) Suresh K. Das** (IISER, Thiruvananthapuram). **Dr. Muralidharan Nambiar**, Controller of Examination, Central University of Kerala, **Dr. B. R. Prasannakumar**, Finance Officer, Central University of Kerala, **Mr. Rajagopal K. G.**, Executive Engineer, Central University of Kerala and **Dr. Rajendra Pilankatta**, Head of the Department of Biochemistry & Molecular Biology, will felicitate the programme.

For the closing ceremony, **Prof. (Dr.) K. Muralidhar** has kindly consented to deliver the valedictory address and the function will be presided over by **Prof. (Dr.) G. Gopa Kumar**, Hon'ble Vice Chancellor, Central University of Kerala. **Dr. K. Radhakrishnan Nair**, Registrar Central University of Kerala will address the participants. **Sri. K. M. Vijayakrishnan**, Principal, Jawahar Navodaya Vidyalaya, Kasaragod will also address the participants during the valedictory function.

You are cordially invited to join the programme.

Thank you.

Yours sincerely,

Prof. (Dr.) G. Gopa Kumar
Chairman
INSPIRE Science Camp
Vice Chancellor
Central University of Kerala

Dr. Chandan Kumar B
Joint Programme Co-ordinator
INSPIRE Science Camp

Prof. (Dr.) Sudha K.
Programme Co-ordinator
INSPIRE Science Camp

2019 DECEMBER 21 SATURDAY

- 1:30 PM – 2:30 PM : Registration
- 2:30 PM – 4:30 PM : **Opening Ceremony**
- 2:30 PM : University Anthem
- 2:35 PM Welcome Address : **Prof. (Dr.) M.R. Prathapachandra Kurup**
Head, Department of Chemistry & Director of Research, CUK
- 2:40 PM Introductory Remarks : **Prof. (Dr.) Sudha K.**
Programme Co-ordinator, INSPIRE Science Camp
- 2:45 PM Presidential Address : **Prof. (Dr.) K. Jayaprasad**
Pro-Vice Chancellor, Central University of Kerala
- 3:00 PM Inaugural Address : **Prof. (Dr.) G. Gopa Kumar**
Hon'ble Vice Chancellor, Central University of Kerala
- 3:30 PM Special Address : **Dr. A. Radhakrishnan Nair**
Registrar, Central University of Kerala
- 3:45 PM Keynote Address : **Prof. (Dr.) Suresh K. Das**
IISER, Thiruvananthapuram
- 4:00 PM Felicitations : 1. **Dr. Muralidharan Nambiar**
Controller of Examination, CUK
2. **Dr. B. R. Prasannakumar**
Finance Officer, CUK
3. **Mr. Rajagopal K. G.**
Executive Engineer, CUK
4. **Dr. Rajendra Pilankatta**
HOD, Dept. of BCMB, CUK
- 4:25 PM Vote of Thanks : **Dr. Chandan Kumar B.**
Joint Programme Co-ordinator, DST-INSPIRE Science Camp

Stage Co-ordinators: **Dr. Eftthikar Ahamed B.**, Assistant Professor, Dept. of English & Comparative Literature

- 4:30 PM – 5:30 PM : *Tea/Coffee Break*
- 5:30 PM - 6:00 PM : **General Instruction and Briefing the programme**
Dr. Shaini P.
Assistant Professor, Dept. of Mathematics, CUK
- 6:00 PM – 7:30 PM : **Ice Breaking**
Dr. Eftthikar Ahamed B.
Assistant Professor, Dept. of English & Comparative Literature
- 7:30 PM - 8:30 PM : *Dinner*

2019 DECEMBER 22 SUNDAY

6:00 AM - 6:30 AM : **Yoga Practice**
Co-ordinator: **Dr. Subramanya Pailoor**
Academic Co-ordinator, Dept. of Yoga

7:30 AM - 8:20 AM : *Breakfast*

8:20 AM - 8:40 AM : **Walk with Scholars / Teachers**

9:00 AM - 10:30 AM

Session 1.1

Rapporteur

: **Dr. Ravi Kumar Kanaparathi**
Assistant Professor, Dept. of Chemistry

Interaction with

: **Prof. (Dr.) Suresh K. Das**
IISER, TVM

10:30 AM - 11:00 AM

: *Tea/Coffee Break*

11:00 AM - 12:30 PM

Session 1.2

Rapporteur

: **Dr. M. Bhagiyalakshmi**
Assistant Professor, Dept. of Chemistry

Talk

: **Dr. M.R. Sudarsanakumar**
KUFOS, Kochi

Periodic Table and Story of Elements

12:00 PM - 12:30 PM

: Interaction with Mentor

12:30 PM - 02:00 PM

: *Lunch Break*

2:00 PM – 3:30 PM

Session 1.3

Rapporteur

: **Dr. P.M. Aneesh**
Assistant Professor, Dept. of Physics

Talk

: **Prof. (Dr.) C. Vijayan**
IIT, Madras

The Charm of Physics

3:00 PM – 3:30 PM

: Interaction with Mentor

3:30 PM – 4:00 PM

: *Tea/Coffee Break*

4:00 PM – 5:30 PM

Interaction with

Session 1.4

: **Prof. (Dr.) Mahadevan Pillai**
Hon'ble Vice Chancellor, University of Kerala

5:30 PM - 7:30 PM

Session 1.5

Outdoor Interaction with Mentors and CUK Faculty

7:30 PM - 8:30 PM

: **Meet our Organizing Committee Members & Volunteers**

8:30 PM - 9:00 PM

: *Dinner*

2019 DECEMBER 23 MONDAY

6:00 AM – 6:30 AM

: **Yoga Practice**

Co-ordinator : **Dr. Subramanya Pailoor**
Academic Co-ordinator, Dept. of Yoga

7:30 AM – 8:20 AM

: *Breakfast*

8:20 AM – 8:40 AM

: **Walk with Scholars / Teachers**

9:00 AM - 10:30 AM

Session 2.1

Rapporteur

: **Dr. T.A. Jose Priya**
WOS-A (DST), Dept. of Zoology

Talk

: **Prof. (Dr.) Kuruvilla Joseph**
IIST, TVM

Micro to Nano : Challenges and Possibilities

10:00 AM – 10:30 AM

: Interaction with Mentor

10:30 AM - 11:00 AM

: *Tea/Coffee Break*

11:00 AM - 12:30 PM

Session 2.2

Rapporteur

: **Dr. Gnanavel Soundararajan**
Assistant Professor, Dept. of Mathematics

Talk

: **Prof. (Dr.) A. Vijayakumar**
CUSAT, Cochin

Invisible Mathematics

12:00 PM -12:30 PM

: Interaction with Mentor

12: 30 PM - 2: 00 PM : *Lunch Break*

2:00 PM -3:30 PM **Session 2.3**

Rapporteur : **Dr. K. Sowjanya Sree**
Assistant Professor, Dept. of EVS

Talk : **Prof. (Dr.) M. Jayananda**
University of Hyderabad

Sustainability in the context of Global Environmental and Climate Change

3:00 PM– 3:30 PM : Interaction with Mentor

3:30 PM– 4:00 PM : *Tea/Coffee Break*

4:00 PM - 5:30 PM **Session 2.4**

Interaction with : **Dr. A. Radhakrishnan Nair**
Registrar, CUK

5:30 PM - 6:30 PM **Session 2.5**

Library Visit

6:30 PM - 7:30 PM **Session 2.6**

Interaction with : **Dr. Umesh K. Sharma**
DST Scientist- E, INSPIRE Programme Division

7:30 PM - 8:30 PM **Session 2.7**

Thinking Process on New Innovative Ideas

Co-ordinators

Dr. V. B. Sameer Kumar
Assistant Professor, Dept. of BCMB

Dr. Sijin Kumar A. V.
Assistant Professor, Dept. of Geology

Dr. Jasmine M. Shah
Assistant Professor, Dept. of Plant Science

Dr. K. Sowjanya Sree
Assistant Professor, Dept. of EVS

Dr. H.P. Gurushankara
Assistant Professor, Dept. of Zoology

Dr. Ramachandran Kotharambath
Assistant Professor, Dept. of Zoology

- 8:30 PM – 9:00 PM : *Dinner*
- 9:00 PM – 10:00 PM : **Cultural Programmes by CUK Students**
 Co-ordinators
Dr. R. Aswati Nair
Associate Professor, Dept. of BCMB
Dr. Mary Vincetha Thomas
Assistant Professor, Dept. of Education

2019 DECEMBER 24 TUESDAY

- 6:00 AM – 6:30 AM : **Yoga Practice**
 Co-ordinator : **Dr. Subramanya Pailoor**
Academic Co-ordinator, Dept. of Yoga

- 7:30 AM – 8:30 AM : *Breakfast*

- 8:30 AM - 9:00 AM **Session 3.1**

Introduction to Practical Session

Dr. Sijin Kumar A.V
Assistant Professor, Dept. of Geology

- 9:30 AM – 5:00 PM

Laboratory Experiments

Session 3.2

General Convener :
Dr. Sijin Kumar A.V
Assistant Professor, Dept. of Geology

Subject
Physical Sciences

- Co-ordinators
 : **Dr. Gnanavel Soundararajan**
Assistant Professor, Dept. of Mathematics
Dr. T. M. Thasleema
Assistant Professor, Dept. of Computer Science
Dr. M. Bhagiyalakshmi
Assistant Professor, Dept. of Chemistry
Dr. E. Prasad
Assistant Professor, Dept. of Physics

Biological Sciences

- : **Dr. V. B. Sameer Kumar**
Assistant Professor, Dept. of BCMB
Dr. Jasmine M. Shah
Assistant Professor, Dept. of Plant Science
Dr. Ramachandran Kotharambath
Assistant Professor, Dept. of Zoology
Dr. M. Nagarajan
Assistant Professor, Dept. of Genomic Science

Earth Sciences

: **Dr. Pratheesh P.**
Assistant Professor, Dept. of Geology
Dr. S. Anbazhagi
Assistant Professor, Dept. of EVS

5:00 PM – 5:30 PM

Session 3.3

Practical Concluding Session

Dr. Sijin Kumar A.V.
Assistant Professor, Dept. of Geology

5:30 PM – 6:30 PM

Meet our Research Scholars

Co-ordinators:

Dr. T. A Jose Priya
WOS- A (DST), Dept. of Zoology
Jayanth Kumar Padhi
Ph.D. Research Scholar, Dept. of Geology

6:30 PM – 7:30 PM

Meet our Inspire Alumni

Co-ordinators:

M. Jijith
DRDO Hyderabad, INSPIRE Alumni
S.K.V. Arjun
Pondicherry University, INSPIRE Alumni

7:30 PM – 8:30 PM

: **Christmas Celebration**

Co-ordinators

Dr. Sijin Kumar A.V.
Assistant Professor, Dept. of Geology
Dr. T. A. Jose Priya
WOS- A (DST), Dept. of Zoology

Christmas Message by

Mrs. S. Jayasree
Former Principal, St. Paul's Central School, TVM

8:30 PM – 9:00 PM

: *Dinner*

2019 DECEMBER 25 WEDNESDAY

6:00 AM - 6:30 AM

: **Yoga Practice**

Co-ordinator : **Dr. Subramanya Pailoor**
Academic Co-ordinator, Dept. of Yoga

7:30 AM - 8:20 AM

: *Breakfast*

8:20 AM - 8:40 AM : **Walk with Scholars / Teachers**

9:00 AM - 10:30 AM : **Session 4.1**

Rapporteur : **Dr. Ramachandran Kotharambath**
Assistant Professor, Dept. of Zoology

Talk : **Prof. (Dr.) K. Muralidhar**
University of Hyderabad

What is Biology Education?

10:00 AM - 10:30 AM : Interaction with Mentor

10:30 AM - 11:00 AM : *Tea/Coffee Break*

11:00 AM - 12:30 PM : **Session 4.2**

Rapporteur : **Dr. T.A. Jose Priya**
WOS-A (DST), Dept. of Zoology

Talk : **Prof. (Dr.) R. Rajendra Kumar**
KVASU, Pookode

Career Avenues in Dairy and Food Processing

12:00 PM - 12:30 PM : Interaction with Mentor

12:30 PM - 02:00 PM : *Lunch Break*

2:00 PM - 3:30 PM : **Session 4.3**

Rapporteur : **Dr. S. Anbazhagi**
Assistant Professor, Dept. of EVS

Talk : **Prof. (Dr.) G. Anilkumar**
VIT, Vellore

The Unsung Heroes of Science

3:00 PM - 3:30 PM : Interaction with Mentor

3:30 PM - 4:00 PM : *Tea/Coffee Break*

4:00 PM - 5:30 PM : **Outdoor Interaction with Mentors**

5:30 PM - 7:30 PM : **Session 4.4**

Meet our Vice Chancellor
Prof. (Dr.) G. Gopa Kumar

7:30 PM - 9:30 PM : **Cultural Programmes by the Participants**

Co-ordinators:

Dr. R. Aswathi Nair

Associate Professor, Dept. of BCMB

Dr. Mary Vineetha Thomas

Assistant Professor, Dept. of Education

9:30 PM - 10:00 PM : *Dinner*

2019 DECEMBER 26 THURSDAY

6:00 AM - 6:30 AM : **Yoga Practice**

Co-ordinator: **Dr. Subramanya Pailoor**

Academic Co-ordinator, Dept. of Yoga

7:30 AM - 8:20 AM : *Breakfast*

8:20 AM - 8:40 AM : **Walk with Scholars / Teachers**

9:00 AM - 10:30 AM

Session 5.1

Rapporteur

: **Dr. S. Anbazhagi**

Assistant Professor, Dept. of EVS

Talk

: **Dr. Mahesh Hariharan**

IISER, TVM

Exciting Science of Fast Photography

10:00 AM – 10:30 AM : Interaction with Mentor

10:30 – 11:00 AM : *Tea/Coffee Break*

11:00 AM - 1:00 PM : **Panel Discussion with Mentors and CUK faculties on the Career prospects in Science**

Co-ordinators:

Dr. Padmesh P. Pillai

Associate Professor, Dept. of Genomic Science & Deputy Registrar, CUK

Dr. Sijin Kumar A.V

Assistant Professor, Dept. of Geology

Dr. E. Prasad

Associate Professor, Dept. of Physics

Dr. V.B. Sameer Kumar

Assistant Professor, Dept. of BCMB

1:00 PM – 2:00 PM : *Lunch*

2.00 PM - 5:05 PM	Closing Ceremony
2:00 PM	: University Anthem
2:05 PM Welcome Address	: Dr. Rajendra Pilankatta <i>HOD, Dept. of BCMB, CUK</i>
2:10 PM Report Presentation	: Dr. Chandan Kumar B. <i>Joint Co-ordinator, INSPIRE Science Camp</i>
2:20 PM Presidential Address	: Prof. (Dr.) G. Gopa Kumar <i>Hon'ble Vice Chancellor, Central University of Kerala</i>
2:50 PM Address by Chief Guest:	Prof. (Dr.) K. Muralidhar <i>University of Hyderabad</i>
3:20 PM Special Address	: Dr. A. Radhakrishnan Nair <i>Registrar, Central University of Kerala</i>
3:50 PM Special Address	: Sri . K. M. Vijayakrishnan <i>Principal, Jawahar Navodaya Vidyalaya, Periya</i>
4:00 PM	: Feedback from Participants
4:30 PM Remarks by Mentors	: Dr. R. Rajendra Kumar <i>KVASU, Pookode</i> Dr. G. Anilkumar <i>VIT, Vellore</i> Dr. Mahesh Hariharan <i>IISER, TVM</i>
4:50 PM	: Presentation of Memento to the Winners
4:55 PM Vote of Thanks	: Prof. (Dr.) Sudha K. <i>Programme Co-ordinator, INSPIRE Science Camp</i>
5:00 PM	: Certificate Distribution
5:05 PM	: National Anthem

Tea/Coffee

Stage co-ordinator : **Dr. K. Sowjanya Sree.** *Assistant Professor, Dept. of EVS*



CENTRAL UNIVERSITY OF KERALA KASARAGOD

The Central University of Kerala, Kasaragod is one of the 15 Central Universities established under the Central Universities Act 2009 (Parliament Act No. 25 of 2009). The University is founded on the noble vision of a "caring wisdom" and is guided by the lofty ideals of academic and social commitment, moral steadfastness and intellectual and spiritual enlightenment, as reflected in its vision statement. Located in a region characterized by linguistic and ethnic diversity adorned by cultural richness, the University seeks to harness the local resources-human, intellectual, social, artistic and cultural, while bringing in the best that profoundly needs an educational uplift. The University opened its academic portals in October 2009 with 17 students enrolling in two PG programmes and operated from a rented building at Nayanmarmoola (Vidyanagar). From this modest beginning, CUK has grown into a prestigious institution with 11 schools comprising 27 departments offering 26 postgraduate and research programmes and 1 undergraduate programme with total enrolment of 2020 students in the academic year 2019-2020.

Dr. G. Gopa Kumar, the present Vice Chancellor is a veteran academician, eminent social scientist and astute political analyst who assumed office on 7 August 2014. His vision is to transform the CU Kerala as the epicentre of development in Malabar region in particular and Kerala in general and to keep the national character and outlook in its academic and extracurricular activities.



DST- INSPIRE SCIENCE CAMP
CENTRAL UNIVERSITY OF KERALA
21-26 DECEMBER 2019



MENTOR'S FEED BACK FORM

1. Name and Address of the Host Institute: *Central University of Kerala,
Periyar, Kasargod*
2. Date/Duration of the INSPIRE Internship Camp: *21-26 December 2019*
3. Name and Address of the Mentor: *Prof. (Dr.) Kusuville Joseph*
(With e-mail address & Mob. No.) *Ph.D, FRSC, Senior Professor*
Dept. of Chemistry, 1159 Frivardown
E-mail: Kusuville@iist.ac.in
4. Date of Participation in the Camp: *23/12/2019*
5. Comments about the Infrastructural capacity of the organizing Institute:
Excellent
6. Comments on the boarding and lodging facilities made available:
Very good
7. Mentors views on the INSPIRE Internship Camp:

*Well organised programme.
Brilliant students and highly
dedicated Organizers.*

8. Comments about the interaction with the participating students:

Highly motivated

9. Suggestions to further improve the INSPIRE Internship camps:

Nil

10. Overall impact of the INSPIRE Internship Camp:

Excellent



(Signature of the Mentor)

Krishna Joseph



DST- INSPIRE SCIENCE CAMP
CENTRAL UNIVERSITY OF KERALA
21-26 DECEMBER 2019



MENTOR'S FEED BACK FORM

1. Name and Address of the Host Institute: *Central University of Kerala,
Periyar, Kasaragod*
2. Date/Duration of the INSPIRE Internship Camp: *21-26 Decembers, 2019*
3. Name and Address of the Mentor: *Dr. M.R. Sudarshankumar,
(With e-mail address & Mob. No.) Adjunct Faculty, Kerala University of Fisheries
and Ocean Studies, Kochi*
4. Date of Participation in the Camp: *22-12-19*
5. Comments about the Infrastructural capacity of the organizing Institute: *The university
has excellent infrastructure to organise such programme. A*
6. Comments on the boarding and lodging facilities made available:
*The boarding & lodging facilities provided by
the University were excellent.*
7. Mentors views on the INSPIRE Internship Camp:
*The interest shown by the participants is
really impressive. I was really impressed by the team work of
the coordinators & team for their commitment. The students role
has to be appreciated in the successful conduct of the Camp.*

8. Comments about the interaction with the participating students:

Students asked many questions after the lecture.
They also responded well when questions were asked to them.

9. Suggestions to further improve the INSPIRE Internship camps:

A focal theme can be selected for the INSPIRE
Camp each year. The students can also have a brainstorming session to
contribute to the focal theme. A session on Higher Education & Research
opportunities in Science Canada included.

10. Overall impact of the INSPIRE Internship Camp:

The Camp helps to incite interest
to pursue Science education & research among students.

Daly
(Signature of the Mentor)



DST- INSPIRE SCIENCE CAMP
CENTRAL UNIVERSITY OF KERALA
21-26 DECEMBER 2019



MENTOR'S FEED BACK FORM

1. Name and Address of the Host Institute: *Central University of Kerala,
Peeche, Kassaragod*
2. Date/Duration of the INSPIRE Internship Camp: *01-12-19 to 26-12-19*
3. Name and Address of the Mentor : *Dr. R. Rajendran Kumar*
(With e-mail address & Mob. No.) *APA-7
Anjali Nagar, Pallimukla
Trivandrum
srikumarkou@yahoo.com
9446442759*
4. Date of Participation in the Camp: *25/12/2019*
5. Comments about the Infrastructural capacity of the organizing Institute:
*Excellent facilities have been created in the
University.*
6. Comments on the boarding and lodging facilities made available:
Good
7. Mentors views on the INSPIRE Internship Camp:
*Very enthusiastic students. The interaction
with the students were very Good.*

8. Comments about the interaction with the participating students:

9. Suggestions to further improve the INSPIRE Internship camps:

10. Overall impact of the INSPIRE Internship Camp:

Very Good.



(Signature of the Mentor)



DST- INSPIRE SCIENCE CAMP
CENTRAL UNIVERSITY OF KERALA
21-26 DECEMBER 2019



MENTOR'S FEED BACK FORM

1. Name and Address of the Host Institute: *Central University, Kerala*
2. Date/Duration of the INSPIRE Internship Camp: *21-26 Dec 2019*
3. Name and Address of the Mentor :
(With e-mail address & Mob. No.)
Dr. Suresh Das
sureshdos@icseriuvn.ac.in
9447706202
4. Date of Participation in the Camp: *21 and 22 December 2019*
5. Comments about the Infrastructural capacity of the organizing Institute:
Excellent facilities and very well organized.
6. Comments on the boarding and lodging facilities made available:
Excellent
7. Mentors views on the INSPIRE Internship Camp:
The University has taken great pains in organizing the Inspire camp that in a manner that will immensely benefit the participating students

8. Comments about the interaction with the participating students:


Very bright and enthusiastic students.

9. Suggestions to further improve the INSPIRE Internship camps:

Nothing specific.

10. Overall impact of the INSPIRE Internship Camp:

The camp will have a wonderful impact on the participating students that will inspire them to be life long learners.


(Signature of the Mentor)



DST- INSPIRE SCIENCE CAMP
CENTRAL UNIVERSITY OF KERALA
21-26 DECEMBER 2019



MENTOR'S FEED BACK FORM

1. Name and Address of the Host Institute: *Central University of Kerala,
Periyar Kasargod*
2. Date/Duration of the INSPIRE Internship Camp: *01/12/19 to 26/12/19*
3. Name and Address of the Mentor : *Dr. Mahesh Harsharan*
(With e-mail address & Mob. No.) *Associate Professor, PRSC, Chemistry
Indian Institute of Science Education and Research
Thiruvananthapuram
Email: mahesh@iisertvm.ac.in*
4. Date of Participation in the Camp:
26/12/19
5. Comments about the Infrastructural capacity of the organizing Institute:
*Excellent infrastructure that is needed to energize the young bright minds.
Audio, video facilities were very professionally arranged.*
6. Comments on the boarding and lodging facilities made available:
Good boarding and lodging facility.
7. Mentors views on the INSPIRE Internship Camp:
This Science Camp run by Dr. Sudha and her colleagues have been monumentally perfect. Students appreciate this program over the years. Mentors in the program get more and more impressive every year. Students ask relevant and exciting questions which resulted from excellent selection procedure followed. I recommend this staff and the team to get the chance to host this camp in the coming years.

Mahesh

8. Comments about the interaction with the participating students:

Students are very attentive and asked relevant questions. After the talk, they continued their scientific curiosity and the curiosity to know about IISERS.

9. Suggestions to further improve the INSPIRE Internship camps:

I would say the success of this program is so much visible that more camps have to be awarded in different states.

10. Overall impact of the INSPIRE Internship Camp:

Sticale Camp at CVK is excellent. Very well organised and oriented to improve the wisdom of students.

I Congratulate DST to keep inspiring young minds in our country.

Mahesh

(Signature of the Mentor)



DST- INSPIRE SCIENCE CAMP
CENTRAL UNIVERSITY OF KERALA
21-26 DECEMBER 2019



MENTOR'S FEED BACK FORM

1. Name and Address of the Host Institute: *Central University of Kerala, Periyar
Kasaragod*
2. Date/Duration of the INSPIRE Internship Camp: *21-12-19 - 26-12-19*
3. Name and Address of the Mentor: *Prof. (Dr.) G. Anil Kumar*
(With e-mail address & Mob. No.) *Senior Professor*
School of Biological Sciences and Technology
VIT University, Vellore, Tamil Nadu
Email: ganilkumar@vit.ac.in
4. Date of Participation in the Camp: *25/12/19*
5. Comments about the Infrastructural capacity of the organizing Institute: *Excellent.*
6. Comments on the boarding and lodging facilities made available: *N/A.*
7. Mentors views on the INSPIRE Internship Camp:

The Camp has been organized in a very efficient manner. All the programmes and other activities were planned and executed very meticulously. I wish the organizers the very best.

8. Comments about the interaction with the participating students: *Very good*

9. Suggestions to further improve the INSPIRE Internship camps: *—*

10. Overall impact of the INSPIRE Internship Camp:

Excellent.


(Signature of the Mentor)
25/12/2019



DST- INSPIRE SCIENCE CAMP
CENTRAL UNIVERSITY OF KERALA
21-26 DECEMBER 2019



MENTOR's FEED BACK FORM

1. Name and Address of the Host Institute: *Central University of Kerala,
Periyar, Kasaragod*
2. Date/Duration of the INSPIRE Internship Camp: *21/12/2019 - 22/12/2019*
3. Name and Address of the Mentor : *Prof. (Dr.) C. Vijayan*
(With e-mail address & Mob. No.) *Dept. of Physics, Indian Institute of Technology,
Madras*
Email: cvijayan@iitm.ac.in
4. Date of Participation in the Camp: *22/12/2019*
5. Comments about the Infrastructural capacity of the organizing Institute:
*The organizers have managed the seating arrangement well,
Such a large number of student would require better
geometry of the hall*
6. Comments on the boarding and lodging facilities made available:
Excellent
7. Mentors views on the INSPIRE Internship Camp:
*I have been involved with INSPIRE camps for over
the past five years. The camps help the students
to think better, get them exposed to ideas out of
the textbook presented by experts and make them
interact with the experts.*

8. Comments about the interaction with the participating students:


The students of this camp participated very well

9. Suggestions to further improve the INSPIRE Internship camps:

None

10. Overall impact of the INSPIRE Internship Camp:

Very good.


(Signature of the Mentor)
[G. VITANON]



DST- INSPIRE SCIENCE CAMP
CENTRAL UNIVERSITY OF KERALA
21-26 DECEMBER 2019



MENTOR'S FEED BACK FORM

1. Name and Address of the Host Institute: *Central University of Kerala,
Periyar Kasargod*
2. Date/Duration of the INSPIRE Internship Camp: *21 - 26 December 2019*
3. Name and Address of the Mentor : *Prof. D. M. Sajananda*
(With e-mail address & Mob. No.) *Centre for Earth, Ocean and Atmospheric Sciences
University of Hyderabad, Gachibowli, Hyderabad
mjanan.ged@gmail.com*
4. Date of Participation in the Camp: *23/12/2019*
5. Comments about the Infrastructural capacity of the organizing Institute:
Good
6. Comments on the boarding and lodging facilities made available:
Good
7. Mentors views on the INSPIRE Internship Camp:

The INSPIRE camp is well organized. The students are very enthusiastic and shown keen interest in understanding new domains of science.

8. Comments about the interaction with the participating students:

Students interacted with many questions on various issues of Farm sciences, global environmental and climate change.

9. Suggestions to further improve the INSPIRE Internship camps:

More INSPIRE camps need to be conducted for the benefit of students particularly ignite young minds about science.

10. Overall impact of the INSPIRE Internship Camp:

Excellent



(Signature of the Mentor)



DST- INSPIRE SCIENCE CAMP
CENTRAL UNIVERSITY OF KERALA
21-26 DECEMBER 2019



MENTOR'S FEED BACK FORM

1. Name and Address of the Host Institute: *Central University of Kerala,
Peezhe Karoorogod*
2. Date/Duration of the INSPIRE Internship Camp: *21/12/2019 - 26/12/2019*
3. Name and Address of the Mentor : *Prof. (Dr.) K. Muralidhar*
(With e-mail address & Mob. No.) *PhD FNASc FASc FNA
Former Jawaharlal Netaji Chair Professor
School of Life Sciences, University of Hyderabad
Email: kambaduramurali2001@rediffmail.com*
4. Date of Participation in the Camp: *25/12/2019*
5. Comments about the Infrastructural capacity of the organizing Institute:
Very good. The acoustics of the hall can be improved further.
6. Comments on the boarding and lodging facilities made available:
very good.
7. Mentors views on the INSPIRE Internship Camp:
This is one of better INSPIRE Camps that I attended (Andhra Univ, Bangalore Univ, VIT Vellore University and others). The Programme Coordinator Dr. K. SUDHA is extremely competent and passionate about running this programme. There must be a mechanism of institutionalizing this with increased laboratory / field practicals.

8. Comments about the interaction with the participating students:

Very motivated and curious and intelligent boys and girls. They are the future Scientists, I am confident.

9. Suggestions to further improve the INSPIRE Internship camps:

The logistics have to be improved to make it more 'Practical' oriented.

10. Overall impact of the INSPIRE Internship Camp:

Very good experience.



(Signature of the Mentor)



DST- INSPIRE SCIENCE CAMP
CENTRAL UNIVERSITY OF KERALA
21-26 DECEMBER 2019



MENTOR'S FEED BACK FORM

1. Name and Address of the Host Institute: *Central University of Kerala,
Periyar, Kassaragod*
2. Date/Duration of the INSPIRE Internship Camp: *21-12-2019 to 26-12-2019*
3. Name and Address of the Mentor : *Prof. (Dr.) A. Vijayakumar*
(With e-mail address & Mob. No.) *Professor, Dept. of Mathematics
Cochin University of Science & Technology, Kochi*
4. Date of Participation in the Camp: *23-12-2019*
5. Comments about the Infrastructural capacity of the organizing Institute:
Excellent facility and infrastructure
6. Comments on the boarding and lodging facilities made available:
Excellent.
7. Mentors views on the INSPIRE Internship Camp: *Well organized. Students are well
motivated. All together nicely organized.*

A. Kumar
23/12/2019

8. Comments about the interaction with the participating students:


Students were actively participating, asking questions

9. Suggestions to further improve the INSPIRE Internship camps:

It's okay.

10. Overall impact of the INSPIRE Internship Camp:

Very Good. We should have it in more institutions


(Signature of the Mentor)

INSPIRE INTERN'S FEED BACK FORM

1. Name and Address of the Host Institute: Central University of Kerala, Periyar
2. Date/Duration of the INSPIRE Internship Camp: 21st Dec 2019 - 26th Dec 2019
3. Name and Address of the student: Rithika Ramesh, Mothanga house Payyattam
(With their school name, e-mail address & Mob. No.) Irtinave PO 67030
School: Kendriya Vidyalaya Kettion Nagar, Kannur
email: rithikaramesh999@gmail.com Phone: 9400517452
4. Comments about the Infrastructural capacity of the organizing Institute:
Fantastic, with all the required facilities, water points, mess hall, the labs are great, the Teflonware tools are very pleasant place with cool air breeze. Proper temp - Everything is perfect.
5. Comments on the boarding and lodging facilities made available:
Very neat and clean, toilets, bathroom, wash basin with proper water availability. Rooms with more space, sufficient bed, table and what not. It was a very experience of boarding.
6. Comments about the Payment of Traveling cost to the participating students:
It is very happy to know the govt is taking initiative for payment of travelling cost too.
7. Comments on the interactive talks delivered by the Mentors: As one passed other it was confusing to say which is more motivating. Everything was fantastic. Actually I didn't even think I would get chance to interact with such eminent personalities.
8. Comments on the practical demonstrations/hands on experience:
Practical made us to know more about such eminent personalities research and new sophisticated techniques and with special reference to equipments.
9. Students views on the INSPIRE Internship Camp:
Very vibrant, enthusiastic. I never forget this in my life. Sudhaman, Volunteers and all others took complete care of us. VC Sir.
10. Comments about the scientific discussions with the Mentors:
It all went very well. I was taken into a new world of science. It was a great experience to interact with world famous scientists, professors, and what not. They clarified all our long lasting doubts.
11. Suggestions to further improve the INSPIRE Internship camps:
It was very good. My only suggestion is to make the practical session 2 days, so that I can spend more time in lab.
12. Overall impact of the INSPIRE Internship Camp:
It is a heavy, not comparable loss for all the students who didn't come to attend even after getting selection. It was excellent. I didn't even in my life think I would be able to participate in such a wonderful camp. Even it was a science camp we had Xmas celebration, cultural fest and the food was very hygienic and tasty. Actually I am in a confusion to choose which branch of science and all mentors inspired in equally well manner.

(Signature of the Student)

INSPIRE INTERN'S FEED BACK FORM

1. Name and Address of the Host Institute: Central University of Kerala
2. Date/Duration of the INSPIRE Internship Camp: 21st Dec - 26th Dec 2019
3. Name and Address of the student: Rajanandana N, Chathwar House, Palakkad.
(With their school name, e-mail address & Mob. No.)
Kavassery, Padur (Po). 678 543
School: CBHSS Vadakkencherry. Ph: No: 9447620634
4. Comments about the Infrastructural capacity of the organizing Institute:
It is really fantastic to see such a nice Infrastructure in a University.
In my opinion eco-friendly infrastructure is created here, and also there is many facilities for a researcher or a student need in this university
5. Comments on the boarding and lodging facilities made available:
In my opinion the room allotted for us was very neat and provide us with environmental facilities too. The washrooms was very neat and tidy too
6. Comments about the Payment of Traveling cost to the participating students:
I am very happy to know about this scheme. It is very helpful for the students who are intelligent but financially backward.
7. Comments on the interactive talks delivered by the Mentors
Yes it was really effective session. I was able to clear all my doubts and was creating a friendly session too. Really learned a lot.
8. Comments on the practical demonstrations/hands on experience:
Practicals are quite interesting work, so when I experienced it I was really gone through mind blowing scenes. observed a lot of things.
9. Students Views on the INSPIRE Internship Camp: It was very interesting and motivational camp too. In my point of view students were allowed to come across many sessions were they were trained to ~~inter~~ interact with many eminent personalities too.
10. Comments about the scientific discussions with the Mentors:
Very helpful and showed me a clear guidance way to open my career mind. I was really motivated by the words of such eminent personalities.
11. Suggestions to further improve the INSPIRE Internship camps:
In my opinion, I request that to include B.S.C programmes too in the University.
12. Overall impact of the INSPIRE Internship Camp:
Interesting, Motivated, and also very nice experience.
I am really motivated and quite interested
in science too. I was able to develop
Personality and confidence too.. Really motivated to open
my own views.

(Signature of the Student)

INSPIRE INTERN'S FEED BACK FORM

1. Name and Address of the Host Institute: *CENTRAL UNIVERSITY OF KERALA, PERIYE, KASARGOD*
2. Date/Duration of the INSPIRE Internship Camp: *21-12-2019 TO 26-12-2019*
3. Name and Address of the student: *K. INDULEKHA KEDARAM, ATHIRAKAM, MUNDAYAD, KANNUR*
(With their school name, e-mail address & Mob. No.) *CHINMAYA VIDYALAYA, CHALA, KANNUR*
ghkphysics@gmail.com 9447855840
4. Comments about the Infrastructural capacity of the organizing Institute: *Essential capacity and spacious*
5. Comments on the boarding and lodging facilities made available: *Convenient, clean, comfortable and adjustable. Required facilities, need better food quality. Demerit: Increased number of worms, cockroaches, etc in bathrooms/toilet and corridors*
6. Comments about the Payment of Traveling cost to the participating students: *Reliable and accurate payment,*
7. Comments on the interactive talks delivered by the Mentors *Informative, interesting, expressive, long*
8. Comments on the practical demonstrations/hands on experience: *Rushed up visits with no rest in between, amazing/fascinating exhibitions and demonstrations*
9. Students views on the INSPIRE Internship Camp: *Good experience, knowledge acquired in various fields other than science, socialising - made friends from different places, gadget usage reduced for good reasons*
10. Comments about the scientific discussions with the Mentors: *Informative, freedom to express our views and questions, share thoughts in public.*
11. Suggestions to further improve the INSPIRE Internship camps: *Better time management and precise following of schedule without delaying breaks/meals, food quality, Career guidance, worksheets, small tests to examine students' capabilities*
12. Overall impact of the INSPIRE Internship Camp: *Fun, informative, at times exhausting, mostly enjoyable, improved socialising skills and promoted electronic-reduced entertainment.*

(Signature of the Student)



INSPIRE INTERN'S FEED BACK FORM

1. Name and Address of the Host Institute: Central University of Kerala, Kasargod.
2. Date/Duration of the INSPIRE Internship Camp: 21st December to 26th December 2019.
3. Name and Address of the student: Roshni R., J.N.V., Alleppey, 9207575576
(With their school name, e-mail address & Mob. No.) roshniroshni2053@gmail.com
P.V. House, Vishavarsheikkara P.O., Mannar.
4. Comments about the Infrastructural capacity, of the organizing Institute: Central University of Kerala where we had our camp, have a great infrastructural capacity. Moreover it was highly satisfying and comfortable.
5. Comments on the boarding and lodging facilities made available: Girls were accommodated in Kabani hostel, where we had a good stay with students across the state. Volunteers were always available for any help.
6. Comments about the Payment of Traveling cost to the participating students:
7. Comments on the interactive talks delivered by the Mentors: As science aspirants, we were ignited to move further close and deep towards science. All our mentors were great resource personalities and showed extreme patience to share their knowledge.
8. Comments on the practical demonstrations/hands on experience: That was one of the most brilliant session we had. It was a complete exposure and inspiration to catch up with our studies and to further stick on pure science.
9. Students views on the INSPIRE Internship Camp: As the name suggests, it was a real inspiration. Our coordinator Shilpa Menon, mentor and our dear volunteers really shed light on our paths. Personally, I decided to take BSc & MSc in pure science, rather than jumping onto a professional course. I am grateful towards organizers.
10. Comments about the scientific discussions with the Mentors:
Our mentors really took us across the world of science. They opened up the right path, injected the real curiosity and moulded us for a science aspirant. The camp actually put a spark of science, which surely end up in fire.
11. Suggestions to further improve the INSPIRE Internship camps:
The selection criteria should be in such a way that the organizers should ensure that the top marks in Science & Maths should be taken. Never let a science aspirant lose this camp as they lost A₁ in a language.
12. Overall impact of the INSPIRE Internship Camp:
I had a dream of becoming a scientist and inspire really put me on the right track. Always grateful towards each and every single head and sweat behind this programme.

(Signature of the Student)

INSPIRE INTERN'S FEED BACK FORM

1. Name and Address of the Host Institute: *Central university Kerala, perige, Kasargod*
2. Date/Duration of the INSPIRE Internship Camp: *21-12-2019 to 26-12-2019*
3. Name and Address of the student: *ANANDH KRISHNA M, PERAMBRA HISS*
(With their school name, e-mail address & Mob. No.) *KOZHICODE, 673525 - PIN*
anandkrishna428@gmail.com
4. Comments about the Infrastructural capacity of the organizing Institute:
The Infrastructural facilities of the organizing institute was so brilliantly masterplanned. The campus is green and ecofriendly. The diversity of the organism can be seen! It was neat and clean.
5. Comments on the boarding and lodging facilities made available:
Hostel facilities was more than enough. Good rooms, electrified, arranged properly in accordance with students needs. Four beds in a room and 5 students were accommodated.
6. Comments about the Payment of Traveling cost to the participating students:
7. Comments on the interactive talks delivered by the Mentors
It was so informative. we really explored the different worlds of the science. creates curiosity in my mind and mentors cleared our doubts.
8. Comments on the practical demonstrations/hands on experience:
Laboratory session was superb. The researchers scholars explained us their research field. we had seen many high equipments in the
9. Students views on the INSPIRE Internship Camp:
lab of university departments. It was a good programme really. Govt of India really aiming to develop spark of science in us. They succeeded in their way. Dr. Sudha.k, our programme coordinator really very scientific minded.
10. Comments about the scientific discussions with the Mentors:
They shared with us the whole new scope and excitement of different field of science. Mentors had evokes the direct way of guidance to pursue science. Nanotech, Biochemistry, physical, Chem, Biology every field of science. we touched
11. Suggestions to further improve the INSPIRE Internship camps:
2 In my opinion, The INSPIRE internship camp must emphasize more on applied laboratory section more practical.
12. Overall impact of the INSPIRE Internship Camp:
** Must change the selection criteria to some thesis based or based on some innovative thought.*
** They light in us the camp of Thought.*
** ever lasting thoughts and widens minds*
** curiosity.*
** I learn science, not fooled by others anyhow.*
** learning science by loving it, really matter*
** I want to be like the eminent physicist*
** Richard. P. Feynman.*
** I have really inspired by inspired.*

(Signature of the Student)

INSPIRE INTERN'S FEED BACK FORM

1. Name and Address of the Host Institute: Central University of Kerala, Periyar, Kasargode
2. Date/Duration of the INSPIRE Internship Camp: 21-26 December 2019
3. Name and Address of the student: Abhijith V., Velliyoplackal (Ch), Anavilassam P.O.
(With their school name, e-mail address & Mob. No.)
St. Mary's H.S.S Vellaramkurum, Idukki
abhijithvinnu2019@gmail.com, 8606474150
4. Comments about the Infrastructural capacity of the organizing Institute:
The infrastructure is so good. All the buildings are perfectly built and are well-equipped with big machines and instruments.
5. Comments on the boarding and lodging facilities made available:
The facilities were good, especially our accommodation. I had never seen such a good facilities in any other camp.
6. Comments about the Payment of Traveling cost to the participating students:

7. Comments on the interactive talks delivered by the Mentors
The interactive sessions and talks were so interesting and all the talks really inspired us to love science whole.
8. Comments on the practical demonstrations/hands on experience:
The demonstration was really amazing, especially the chemistry demonstrations. I enjoyed ~~and~~ the demos a lot.
9. Students views on the INSPIRE Internship Camp:
INSPIRE internship camp is really an amazing programme which inspire students to pursue science a career in science.
10. Comments about the scientific discussions with the Mentors:
The mentors were so happy to hear our doubts and clarified our doubts as far as they can. We also had such
11. Suggestions to further improve the INSPIRE Internship camps:
Although the camp was amazing, I have some suggestions and it is, ^{about} 'transportation facilities' from hostels to the seminar hall to ask our doubts to such scientists.
12. Overall impact of the INSPIRE Internship Camp:

The camp really inspired me. Before coming to the camp, I thought about a medical career but now, I think I should take a basic science subject and to move forward with that. The camp also made me love science and created a passion for science within me. So, in total, the camp was really enjoyable.


(Signature of the Student)

INSPIRE INTERN'S FEED BACK FORM

1. Name and Address of the Host Institute: *Central University of Kerala, Peevya, Kasargod.*
2. Date/Duration of the INSPIRE Internship Camp: *21-26 Dec 2019*
3. Name and Address of the student:
(With their school name, e-mail address & Mob. No.) *Abhinav Vishnu Prabheer
Kendriya Vidyalaya Payyavuli
abhinavvishnu@gmail.com
9447480963*
4. Comments about the Infrastructural capacity of the organizing Institute: *Excellent and fully maintained campus with all soughts of facilities for the visitors. It is really appreciable that the campus were very neat and tidy.*
5. Comments on the boarding and lodging facilities made available: *Boarding and lodging facilities was completely like a homely nature. we didn't felt loneliness here and we were not sad about away from our home. It was superb.*
6. Comments about the Payment of Traveling cost to the participating students: *It was fully taken by the Inspire officials. It is really a nice opportunity for the students of far away places.*
7. Comments on the interactive talks delivered by the Mentors: *all the mentors who came to the class was world class. They mainly talked about the career opportunities. They cleared the doubts of the student with utmost enthusiasm and happiness.*
8. Comments on the practical demonstrations/hands on experience: *All the practical demonstration were of a level that we can't imagine. There were many new equipment that we had never seen. so it made us more curious to know more about*
9. Students views on the INSPIRE Internship Camp: *The Inspire Internship science camp is something of like an imaginary world with full of science related curiousness all around. We had got great opportunity at our small age to interact with such an eminent personalities from*
10. Comments about the scientific discussions with the Mentors: *It was of high class. we got deep knowledge in different parts of India that topic. Thanks to the mentors.*
11. Suggestions to further improve the INSPIRE Internship camps: *No suggestions. to keep this and continue ~~the~~ as the same. ~~the~~*
12. Overall impact of the INSPIRE Internship Camp: *Thanks to all the volunteers and eminent personalities and also the coordinators of this camp. This camp was very much informative and valuable to young minds. Really wonderful. Memorable.*

Abhinav
26/12/19
(Signature of the Student)

INSPIRE INTERN'S FEED BACK FORM

1. Name and Address of the Host Institute: Central University Kerala,
Periya, Kasargod
2. Date/Duration of the INSPIRE Internship Camp: 21 Dec - 26 Dec
3. Name and Address of the student: Kannan E
(With their school name, e-mail address & Mob. No.)
Kendriya Vidyalaya Kanhangad
email: mailatkmhouse@gmail.com phone: 8606636660
4. Comments about the Infrastructural capacity of the organizing Institute:
The campus is well spacious to support all the activities of the camp. Good seminar hall and dining area.
5. Comments on the boarding and lodging facilities made available:
Lodging facilities were made in the campus hostel. The volunteers provided ~~every~~ help for all our needs. We were to walk almost 15 kms to the seminar hall.
6. Comments about the Payment of Traveling cost to the participating students:
The decision to pay the travelling cost of students is admirable. Those students who had come by other methods can be given minimum bus fare.
7. Comments on the interactive talks delivered by the Mentors
The talks by the mentors were really educative and inspiring. They could solve all our doubts. The interaction with vice chancellor of CUK was amazing.
8. Comments on the practical demonstrations/hands on experience:
The lab visit gave us more knowledge on all the machines and practical activities. The labs were big and well maintained.
9. Students views on the INSPIRE Internship Camp:
DST-INSPIRE Camp is really ~~an~~ ~~initiative~~ ~~pro~~ an inspiring one to those who have taken science as a subject in +1. We were able to get a view of all the subjects. Such camps are to be continued in future.
10. Comments about the scientific discussions with the Mentors:
The discussions with the mentors ~~were~~ helped us gain a lot of information. Such meetings help students to raise questions and solve their doubts.
11. Suggestions to further improve the INSPIRE Internship camps:
 - Games can be included in any of the days.
 - Outdoor interactions can be continued.
12. Overall impact of the INSPIRE Internship Camp:
 - Knowledge of different fields in Science and Technology.
 - Got to know a lot of students from all across Kerala.
 - Knowledge of the INSPIRE scholarship & fellowship programmes

(Signature of the Student)



INSPIRE INTERN'S FEED BACK FORM

1. Name and Address of the Host Institute: Central University of Kerala, Periyar
2. Date/Duration of the INSPIRE Internship Camp: 5 days
3. Name and Address of the student: Reva.P , Kuthirakode house P.O Parayal
(With their school name, e-mail address & Mob. No.) Kasaragod.
School: Chattanchal HSS
e-mail: revapsnow2019@gmail.com Mob.No: 9012856778
4. Comments about the Infrastructural capacity of the organizing Institute:
Its a really beautiful campus. The auditorium and the atmosphere ~~was~~ really amazing.
5. Comments on the boarding and lodging facilities made available:
All the volunteers and staff did their level best to make us as comfortable as possible.
6. Comments about the Payment of Traveling cost to the participating students:
7. Comments on the interactive talks delivered by the Mentors The talks were really inspiring, knowledgeable and interesting. We all had definitely had somethings to take away from the mentors.
8. Comments on the practical demonstrations/hands on experience: It was a whole new experience. The introduction to high class technical machines and labs has successfully opened our minds into a whole new world of ~~experience~~ possibilities.
9. Students views on the INSPIRE Internship Camp: The inspire camp has really inspired me to choose what I like to do, rather than being ~~the~~ doctor or engineer as in tradition. It also made me realise what I love to do.
10. Comments about the scientific discussions with the Mentors: The ~~talks~~ ^{discussions} were really informative. The mentors had ~~taken~~ utmost patience and interest to clear even the smallest of our doubts.
11. Suggestions to further improve the INSPIRE Internship camps: It is amazing ^{as it is} this way, but if I were to suggest something, I would ask ~~for~~ ^{for} talks on more diverse topics, that we don't see in our textbooks.
12. Overall impact of the INSPIRE Internship Camp: It has really made me a whole new person (I am ~~not~~ saying this from the bottom of my heart) a person who now knows her passion and ~~will try~~ ^{will try} one who'd try the best to follow it.

(Signature of the Student)

Reva


(Also, I would like to add that Sudha ma'am did a great job. I would also like to thank our volunteers, usually in such camps the volunteers often get really impatient and creates an unhealthy relation b/w us, but at INSPIRE 2019, everyone was kind, supportive and friendly, really appreciate and salute everyone who worked for this...
THANKYOU...)

INSPIRE INTERN'S FEED BACK FORM

1. Name and Address of the Host Institute: **CENTRAL UNIVERSITY OF KERALA, PERIYA**
2. Date/Duration of the INSPIRE Internship Camp: **December 21-26, 2010**
3. Name and Address of the student: **Lekshmi Priya. U, Metropolitan Higher Secondary**
(With their school name, e-mail address & Mob. No.) **School, Puthencavu.**
e-mail - **lekshmi priya . mgk@gmail . com** Mob - **9497677794**
4. Comments about the Infrastructural capacity of the organizing Institute:
It was very nice
5. Comments on the boarding and lodging facilities made available:
It was fine and nice.
6. Comments about the Payment of Traveling cost to the participating students:
It is a very good decision that every student will be able to reach here especially the distant ones. It was a nice idea.
7. Comments on the interactive talks delivered by the Mentors
They were very optimistic and positive and it motivated very well.
8. Comments on the practical demonstrations/hands on experience:
That was very nice and I really enjoyed it especially the chemistry lab and maths lab.
9. Students views on the INSPIRE Internship Camp:
INSPIRE camp is very inspiring and got a new dimension towards the wonderful and mysterious world of natural science
10. Comments about the scientific discussions with the Mentors:
Discussions was very interesting and helpful.
11. Suggestions to further improve the INSPIRE Internship camps:
↳ please include some more talks on ^{information} ~~basic~~ technology (including computer science and more career guidance sessions)
12. Overall impact of the INSPIRE Internship Camp:
INSPIRE camp inspired me a lot and it was an amazing experience. It helps to understand the various fields in science and it helps to generate more interest in natural science. (Signature of the Student)

INSPIRE INTERN'S FEED BACK FORM

1. Name and Address of the Host Institute: central university of kerala, kasargode
2. Date/Duration of the INSPIRE Internship Camp: 21-12-2019 to 26-12-2019
3. Name and Address of the student:
(With their school name, e-mail address & Mob. No.) Lakshmi Priya, A, Thykkandi House
koodali H.S.S. keezhallur
9539329046
4. Comments about the Infrastructural capacity of the organizing Institute:
I had a very good experience in the institute. There was a good hostel and sanitation facility.
5. Comments on the boarding and lodging facilities made available:
Boarding and lodging facilities were very good.
6. Comments about the Payment of Traveling cost to the participating students:
Even I had went for many camps before, I did not have an experience like this where we got the money of travelling back.
7. Comments on the interactive talks delivered by the Mentors
Interactive talks ^{was} very useful to me and I was motivated by the speeches made by the mentors.
8. Comments on the practical demonstrations/hands on experience:
The practical sessions were amazing and made me to select my future with an interest.
9. Students views on the INSPIRE Internship Camp:
This camp was very useful to me and inspired me a lot. This camp gave me more knowledge about scientific world. This camp provided me a platform to clear all my doubts.
10. Comments about the scientific discussions with the Mentors:
The discussions inspired me a lot and I got an overall idea about scientific world. The scientific discussion gave me an idea to decide my future.
11. Suggestions to further improve the INSPIRE Internship camps:
Nothing.
12. Overall impact of the INSPIRE Internship Camp:
Good. It inspired me so much.
excellent.


(Signature of the Student)



DST- INSPIRE SCIENCE CAMP
CENTRAL UNIVERSITY OF KERALA




21-26 DECEMBER 2019




THINKING PROCESS ON NEW INNOVATIVE IDEAS

Final Results

Sl No.	Name	Reg. No.	School	Idea
1	Abhineet K.	09	GHSS Balla East, Kanhangad	Specs with IOTs
2	Kalyani Prasad	76	GHSS, Mullassery, Thrissur.	Magnetic Car
3	Chaithanya S.	50	GHSS, Alannallur, Pallaghat	Efficient usage of fuel for spacecraft.


डॉ. वी.पी. समीर कुमार, एम. फिल., पी.एच.डी., एफ.ए.एस.
Dr. V.P. Sameer Kumar, M.Phil., Ph.D., FAS
सहायक प्राध्यापक/Assistant Professor
जैव रसायन एवं आणविक जीवविज्ञान विभाग
Department of Biochemistry & Molecular Biology
केरल केन्द्रीय विश्वविद्यालय / Central University of Kerala
तेजस्विनी हिल्स कैंपस / Tejaswini Hills Campus,
पेरिये पी.ओ. / Periyé P.O., पेरिये / Periyé
कासरगोड / Kasaragod, केरल / Kerala, भारत / India. फोन / Phone: +91-9447697893
फ़ोन / Phone: +91-9447697893


Dr. RAMKHANJARAN K.
ASST. PROFESSOR
DEPT. OF ZOOL
20094



DST-INSPIRE SCIENCE CAMP

CENTRAL UNIVERSITY OF KERALA



27-26 DECEMBER 2019



THINKING PROCESS ON NEW INNOVATIVE IDEAS

Name: Chaithanya S., GHSS Alarallur
Reg. no: 50

Space research for India

India had developed a considerable position in the field of space research. We are the first country to launch a satellite to Mars. Eventhough we had developed a lot in space research, we are not able to utilize it for the maximum. We don't have that much fund to develop more efficient spaceships like other developed countries. So, what we have to do is we have to make cheap, smart and efficient spaceships by utilising our own resources for the maximum. I think that the spaceships should have more fuel capacity and should be of less weight. Plastic is one of the major problems we have been facing nowadays. We are not able to destroy it completely. So, we can make use of plastic in building spaceships which is so cheap. By mixing other metals with plastic, it will turn to a strong material which is able to carry sufficient weight, and still cheap and light. Being a developing country,

Selected this one
as FIRST

8/10

Dr. P. Prasad, Assistant Professor
Department of Physics
Central University of Kerala
Tegamudi Hills, Putha, Kassaragod

in order to overcome those financial limitations in space research, I strongly recommend to invent spaceships with less usage of fuels. If we want to go out of the gravitation field of earth to a distant planet, we only need the fuel to ~~reach the last~~ overcome gravitational field of earth. When the spaceship had overcome it it will get sufficient energy to travel millions of distance from the gravitational pull of earth and from the last fuel we had used. The other planet's gravitational ~~pull~~ attraction will attract the spaceship and will allow it to launch on the planet. The home science simple techniques may be helpful in space research also. Once an object is heated, the heat will retain for some time. We don't need to ~~to~~ heat it further for some time. Similarly, by giving fuel to spaceship for sometime, will give it enough energy to travel some distance without using further fuel. Thus by giving fuel only when required, by on and off the fuel providance may help to save some fuel. Once a spaceship had launched on an orbit, it doesn't need ~~furthe~~ much more energy, because it is capable of moving through orbit with less fuel usage. By using more and more solar panels, we can utilise the solar energy for the need of spaceship - Thus we may be able to build spaceship with less expense and it will be a great achievement for India.



21-26 DECEMBER 2019



Magnetic car

Magnetic Car

THINKING PROCESS ON NEW INNOVATIVE IDEAS

Name: Kalyani Prasad

Reg. no: 76

School: Government Higher Secondary School, Mullassery, Thrissur

~~Sustainable Energy~~
~~Now we are facing a huge energy crisis~~
~~Internet of Things~~

Sustainable Energy

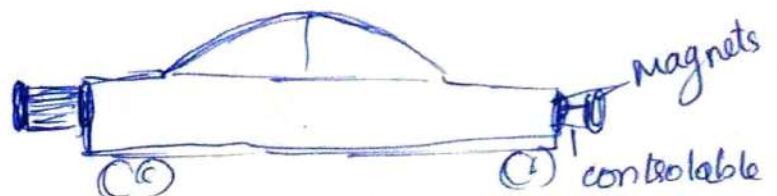
Now we are in huge energy crisis
But for the control of pollution we have used
electricity car, solar car etc. But due to the
lack of the energy electricity car is very less applicable
So My idea is based on a new model vehicle
which is pollution less & energy free.

Magnetic Car

It is the vehicle which moves due to magnetic force applied.

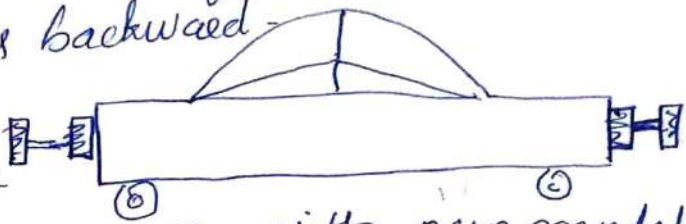
This car does not need fuel, electricity etc.

It just need ~~two~~ strong magnet which is connected to both sides of the car by controllable piston. We use a dynamo inside



the vehicle. The vehicle doesn't have a complicated engine. When we ~~just~~ start the vehicle just as a normal vehicle. By the small electrical energy produced by the dynamo the magnet field produce. By the attraction of the magnets the vehicle move forward & by the repulsion ~~of~~ of magnet the vehicle moves backward.

we can use alloy to make the body of vehicle



We can use an ordinary car with new model structure

I don't know possible will this idea work.

My idea is based on Magellan's principle



DST- INSPIRE SCIENCE CAMP

CENTRAL UNIVERSITY OF KERALA

21-26 DECEMBER 2019



THINKING PROCESS ON NEW INNOVATIVE IDEAS

Name: ABHINEETH · K

Reg No: 09

GHSS Balla East, Kanhangad.

▷ Internet of Things

Internet of things is ~~the~~ one of the fastest growing technologies in the modern world. Foreign countries are put forward many uses with Internet of things. So In India ~~we~~ we have to provide many ideas to control things using Internet.

I have like to put forward a system, ~~that is an automated driverless car~~. That is a home, fully controlled by Internet. All the works in the home will finish by internet and that is more time profit and not cause any type of Damages and other.

I have to introduce a thing that, I dont know it is possible.

In future the IOT will fully on.

world. I like to introduce a ~~spec~~^{specs} that is connected to internet. The spec will show the location, ~~and the GPS~~ using GPS, the climate and other useful matters, when we wear the Spec^{CS}. It is connected to a mobile app. when we go a far area that location, and other will automatically send to the connected receiver. and it is very useful for tracing things. The ~~spec~~^{specs} will identify a person using his eyes. It will store the memory. and it is useful for our defence men. when other terrorists are came the specs will identify them and inform to soldiers.

I think that ~~the~~ These Specs is very useful for our defence zone and police departments.

DST-INSPIRE INTERNSHIP SCIENCE CAMP: SUMMARY OF FEEDBACK BY THE PROGRAMME CO-ORDINATOR

1. Name and Address of the Host Institute : Central University of Kerala,
Periye, Kasaragod, Kerala
2. Date/Duration of the INSPIRE Internship Camp : 21-26 December 2019 (5days)
3. Number of participating INSPIRE Interns : 155

Sl. No.	Summary of INSPIRE Interns comments on:	Poor (1)	Satisfactory (2)	Good (3)	Very Good (4)	Excellent (5)
1	The Infrastructural capacity of the organizing Institute			12	51	92
2	Boarding and lodging facilities			14	69	72
3	Payment of Travelling cost				88	67
4	Interactive talks & Discussion with the Mentors				21	134
5	Hands on experience			23	81	51
6	<p>Suggestions to further improve the INSPIRE Internship camps:</p> <p>Interaction of the DST Officials with the participants would give a wonderful impact on the participants. Through this the young citizens of our country will get an opportunity to understand the structure of DST and the various schemes and scholarships provided by the Government to improve the scientific temper and nurture young scientists of the country.</p>					

Note: Sum total of the Feedback (1+2+3+4+5) should be equal to the number of participating INSPIRE Interns. This summary shall be completed based on the individual INSPIRE Interns feedback submitted for the respective INSPIRE Internship Science Camp.



Signature of the Programme Co-ordinator

CENTRAL UNIVERSITY OF KERALA
Brief Report of the DST-INSPIRE Science Camp
21-26 December 2019

Students Residential Camp on Skill Development

DST-INSPIRE Internship Science Camp hosted by Central University of Kerala, Kasaragod, held between 21st to 26th December 2019 was attended by 155 students and 10 INSPIRE alumni from 80 schools across the length and the breadth of Kerala. The camp became the venue for fruitful interactions between eminent scientists and young talents.

Significantly, the programme was blessed with the presence of Prof.(Dr.) Suresh K. Das, IISER, Trivandrum, former Executive Vice- President of KSCSTE, former Director of CSIR-NIIST who shared his experiences, challenges and endeavors with the young minds during his interaction with the participants. The other mentors included a galaxy of 11 scientists and academicians from reputed national institutions such as Indian Institute of Technology, Madras, Indian Institute for Space Science and Technology, Thiruvananthapuram, Indian Institute of Science Education and Research, Thiruvananthapuram, Pondicherry Central University, Pondicherry and Cochin University of Science and Technology, Kochi, University of Hyderabad, University of Kerala, Kerala Veterinary and Animal Sciences University and Central University of Kerala who inculcated the spirits of scientific research to the participants through their inspiring interactions. A series of 21 sessions including lectures, indoor and outdoor interaction with mentors and scholars, and laboratory experiments/demonstrations on various disciplines of science were organized during the five days scientific programme (8.30 AM to 7.00 PM). The series of higher order of questions that followed every presentation proved to be the barometer of involvement and scientific thoughts that transacted the young minds. The active participation of the students in the interactive sessions with eminent scientists from various national institutes of repute proved to be a benchmark of the success of the objective of the INSPIRE Internship programme.

Also special sessions have been arranged for interaction with our beloved Hon'ble Vice Chancellor Prof. (Dr) G. Gopa Kumar. Separate sessions were also arranged to meet our CUK faculty from various Science departments. Apart from these, there were open air interactions with Mentors, Teachers, Research Scholars, and Students pursuing science. As a part of the Camp, there were also sessions for "creative thinking for innovative ideas" and a panel discussion on the "Career prospects in Science" with the involvement of Participants and the teaching fraternity of CUK. Each day began with a half an hour Yoga session under

the co-ordination of Dr. Subramanya Pailoor, Dept. of Yoga, CUK, followed by “Walk with the Scholars”. A collection of success stories and scientific videos were also displayed for the students. Discussion with Research Scholars, Christmas celebration and cultural programmes were also included as the evening activities.

The camp made an indelible impression upon the minds of the budding talents of Kerala as the student feedback at the valedictory function indicated a complete restructuring of many students’ attitude towards basic sciences education at the graduation level. The organizers had established virtual communication between highly interested students and mentors as the objective of the camp is fulfilled only if the participants get a follow up.

Prof.(Dr.) G. Gopa Kumar, Hon’ble Vice Chancellor of Central University of Kerala opened the camp on 21st of December 2019. A formal welcome address was given by Prof (Dr.) Prathapachandra Kurup, Head, Department of Chemistry and Director of Rersearch, Central University of Kerala. The camp motto was introduced by Dr. Sudha K, Proramme Co-ordinator of the INSPIRE Science Camp. Dr. Muralidharan Nambiar , Controller of Examination, Central University of Kerala delivered the presidential address and shared his views on the scientific world. Prof. Gopa Kumar highlighted the importance of science in the economic growth of the country and the need for utilizing scientific research for the upliftment of weaker sections of our society. He added that science has to have an ethical and human side. The keynote address was given by Prof.(Dr.) Suresh Das, IISER, Thiruvananthapuram ; while addressing the students, he emphasized that science is nothing but understanding the structure and function of nature through observations and experiments. The programme was felicitated by Dr. Muralidharan Nambiar, Controller of Examinations, CUK, Dr. B.R. Prasannakumar, Finance Officer, Central University of Kerala, Mr. Rajagopal K.G., Executivre Engineer, Dr. Rajendra Pilankatta, Head, Department of BCMB, CUK. During the felicitation, all speakers highlighted the significance of research in the field of basic sciences. Dr. Chandan Kumar B., Joint co-ordinator, INSPIRE camp, concluded the programme with the vote of thanks. The official opening ceremony was followed by a well designed and well facilitated mind jogging session by Dr. Efhikar Ahamed B., Assistant Professor, Dept. of English & Comparative Literature, CUK. The session was really motivational and inspiring to the young minds. Itinerary of the programme and general instructions was briefed to the participants by Dr. Shaini P., Assistant Professor, Dept of Mathematics, CUK.

On the second day, Prof. (Dr.) Suresh Das had an effective interaction with the 161 budding scientists of the INSPIRE Science Camp. He described science as an ‘Acquest & adventurous journey towards unknown’. He also explained the evolution of science. Following this, was a talk by Dr. M.R. Sudarsanakumar, Adjunct Faculty from KUFOS, Kochi on “Periodic Table and Story of Elements”. He focused on the discovery of various elements in the periodic table with special mentioning to the people and story behind it. The post-lunch session started with a talk on “The Charm of Physics” by Prof. (Dr.) C. Vijayan, IIT, Madras. He introduced physics to the students starting with the forces and the interstellar objects. Prof. Vijayan described the methods of studying the forces of nature and the requirement of further advanced studies to control the forces to our advantage. He also mentioned that students often do not grasp the basic ideas clearly and, hence they tend to develop misconceptions. His talk attempted to nudge the students towards the joy of physics, by exploring beyond the school textbooks.

The third day of INSPIRE camp began with a lecture on "Micro to Nano: Challenges and Possibilities" by Prof. (Dr.) Kuruvilla Joseph, IIST, Thiruvananthapuram. He emphasized the scientific standards of various National Institutes in India focusing on various courses and their benefits. He concluded the session by foreseeing a future with better-informed, and hopefully more cautious manipulation of engineered nanomaterials, as well as the development of laws and policies for safely managing all aspects of nanomaterial manufacturing, industrial and commercial use, and recycling. After the tea break, Prof. (Dr.) A. Vijayakumar, CUSAT gave a talk titled “Invisible Mathematics”. He explained the culture of asking fundamental questions in science and urged students to develop critical thinking skills to advance science. He instilled a motivation to the students demonstrating the story of the Great Indian mathematician, Srinivasa Ramanujan "The man who knew infinity”. In the afternoon session, Prof. (Dr.) M. Jayananda, University of Hyderabad gave a talk on “Sustainability in the context of Global Environmental and Climate change” which focused on the impacts of various man-made activities in the environment. This was followed by the interactive session with Dr. Umesh K. Sharma, DST Scientist-E, INSPIRE Programme Division. Followed by this, the session “Thinking Process on New Innovative Ideas” was conducted. The topics given were 1. Biotechnology in day to day life 2. Sustainable Energy 3. Internet of Things 4. Role of Mathematics in machine learning 5. Climate change mitigation 6. Space research for India. The session was co-ordinated by Dr. V.B. Sameer Kumar, Dr.

Sijin Kumar A.V, Dr. Jasmine M. Shah, Dr. K. Sowjanya Sree, Dr. H.P Gurushankara and Dr. Ramachandran Kotharambath.

The fourth day was devoted to laboratory experiments, conducted in various departments in the university. Thanks to the meticulous preparation and dedicated efforts by Dr. Sijin Kumar A.V., Dr.Gnanavel Soundararajan, Dr. T.M. Thasleema, Dr. M. Bhagiyalakshmi, Dr. E. Prasad, Dr. V.B. Sameer Kumar, Dr. Jasmine M. Shah, Dr. Ramachandran Kotharambath, Dr. M. Nagarajan, Dr. Sandeep K., Dr. K.Sowjanya Sree and their associates. The students got a real-life experience of various models, demonstrations and experiments. The session was followed by the inspiring talk of Research Scholars from various departments of the Central University of Kerala. The evening sessions of the fourth day were enriched with festive joy and academic flair. The students interacted with our Hon. Vice-Chancellor Prof.(Dr.) G.Gopa Kumar and his wife Mrs. Jayasree Gopa Kumar, who was a teacher and mural artist. Both of them patiently answered the interesting and curious queries of the students. This session was followed by Christmas celebration. Mrs. Jayasree Gopa Kumar, former Principal, St. Paul's Central School gave the Christmas message.

On the 5th day, the sessions began with a talk on “ What is Biology? “ by Prof.(Dr.) K.Muralidhar, University of Hyderabad. He began the talk with a reminder regarding the importance of the basics as there is an increase in number of specializations in science. The session was followed by a talk “Career Avenues in Dairy and Food Processing Sector” by Prof.(Dr.) R. Rajendra Kumar, from KVASU, Pookode. Dr. Kumar talked about the processes involved in food processing and dairy research. He also mentioned the scope and opportunities in the field. In the post lunch session, Prof.(Dr.) Anilkumar, VIT, Vellore delivered a talk on “ The Unsung Heroes of Science”. He gave a brief account of unsung Indian Scientists who have contributed beyond excellence. In the evening there was a session titled “ Meet our Vice Chancellor” which gave the participants an opportunity to interact with Prof.(Dr.) G. Gopa Kumar, Hon'ble Vice Chancellor of Central University of Kerala. The students utilized the opportunity effectively by clearing their queries related to various topics. An interactive session with the INSPIRE Alumni and volunteers was also conducted on the day. This was followed by cultural programmes by the participating students with the co-ordinatorship of INSPIRE Alumni and INSPIRE volunteers.

On the sixth day, the session was initiated by Dr. Klaus J. Appenroth from University of Jena, Germany with a talk on “ Duckweed (Lemnaceae) : Model plant system for

environmental research". The participants enthusiastically interacted with the Mentor and enquired about various opportunities in science abroad. Since the maximum visibility of annular solar eclipse that took place on 26th December 2019 was in the northern part of Kerala including Kasaragod, arrangements were made for the participants to view the eclipse effectively. Students were provided with solar eclipse goggles. This was followed by a talk on "Exciting Science of Fast Photography" by Dr. Mahesh Hariharan. The talk focused on nanosecond, picosecond and femtosecond spectroscopic measurements to understand some fundamental reactions that are important in chemistry and biology. The last session on "Physics before $F=ma$ " was mentored by Dr.S.V.M. Sathyanarayana of Pondicherry University. Though the session was conducted online, the participants could experience a very lively and vibrant talk which emphasized on the nature of discovery in Physics with some examples. This session was followed by a panel discussion on the career prospects in science with the co-ordinatorship of Dr. Padmesh P. Pillai, Dr. Sijin Kumar A.V., Dr. E. Prasad, and Dr. Sameer Kumar V.B.

The valedictory function on 26th December 2019 was presided over by Prof (Dr) Gopa Kumar, Hon'ble Vice Chancellor, Central University of Kerala. The chief guest of the ceremony was Prof. (Dr) K. Muralidhar, University of Hyderabad. The welcome address was delivered by Dr. Rajendra Pilankatta, Associate Professor in Biochemistry and Molecular Biology. The camp report was presented by Dr.Chandan Kumar B., Joint Co-ordinator, INSPIRE Science camp. Dr.. R. Rajendra Kumar, KVASU, Dr. G. Anilkumar, VIT, Vellore, Dr. Mahesh Hariharan, IISER, Thiruvananthapuram and Mr. K.M Vijayakrishnan, Principal, Jawahar Navodaya Vidyalaya also addressed the gathering. This public function crossed all time barriers as the participants and Mentors started outpouring their feelings. Words of praise flowed from every mouth for the great affection and care shown by the organizers to make the participants comfortable and derive maximum benefit from the Mentors. The ceremony was ended with vote of thanks by Dr. Sudha K, Programme Co-ordinator, INSPIRE Science Camp.

It won't be an exaggeration to say that INSPIRE Internship Science Camp met the expectations of everyone. The message that such carefully charted and organized programme gives us is that genuine efforts never fail to pay off dividends. There is no doubt that DST's efforts in developing similar breeding grounds for science education and research throughout the country would pay rich rewards in the days to come.

'This is a story of team effort and the credit goes to the student volunteers, INSPIRE Alumni, research scholars ,faculty members and administrative staff of the University who spent sleepless nights, the mentors who made a lasting impression upon the students, and the overall participation shown by everyone.'



केरल केंद्रीय विश्वविद्यालय
CENTRAL UNIVERSITY OF KERALA

(संसद के अधिनियम, वर्ष 2009 द्वारा स्थापित / Established under the Act of Parliament in 2009)

No. (INSPIRE INTERNSHIP /8/2019-20/5)

Date: 23 July 2020

CERTIFICATE

This is to certify that “DST- INSPIRE Internship Science Camp conducted at Central University of Kerala during 21-26 December, 2019 was purely residential in nature.

Dr. Sudha K.

Organizing Co-ordinator

DST –INSPIRE Internship Science Camp

Professor & Head Department of Zoology

School of Biological Sciences

Central University of Kerala

तेजस्विनी हिल्स, पेरिया/ डाक, कासरगोड-671316, केरल / TEJASWINI HILLS, PERIYE (P.O.)

KASARAGOD - 671 316, KERALA, दूरभाष/ Phone : 0467-2232403, 2232409,

वेबसाइट/ Website:- cukerala.ac.in, ई-मेल / E mail:- registrar@cukerala.ac.in