No. INSPIRE INTERNSHIP/4/2017-18/22 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: 28th September, 2017

SANCTION ORDER

Subject: Financial assistance for organizing the INSPIRE Internship Science Camp (Ref. no. DST/INSPIRE/ 01/2017/000783) during 26-30 December, 2017 at Central University of Kerala, Tejaswini Hills Kasaragod-671316 Kerala.

PI: Dr. Sudha Kappalli, Associate Professor/Program Co-ordinator, Department of Animal Science, School of Animal Science, 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 26-30 December, 2017 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
- 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
- 5. The Institute will maintain separate audited accounts for the Project and would keep whole of the grant in a bank account earning interest. The interest earned should be reported to the DST. The interest thus earned will be treated as a credit to the institute to be adjusted towards further installment of the grant.
- 6. The expenditure involved is to be debited to

Demand No. 84 - 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 2017-2018 (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 RTGS are given below:-

Name of the Account Holder: Central University of Kerala, Tejaswini Hills Kasaragod- 671316 Kerala,

Canara Bank Account No.: 0711101068500 IFSc Code.: CNRB0004111

1/2/-

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
- 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
- 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 vied their Dy. No. C/2775/IFD/2017-18 dated
- 13. The Sanction Order is entered vide INSPIRE SI. No. 196 in the Register of Grants.

(Dr. Umesh K. Sharma) Scientist -E

Copy forwarded for information and necessary action to:

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

- Sanction Folder, DST, New Delhi.
- The Principal Director of Audit A.G.C.R. Building IIIrd Floor, I.P. Estate New Delhi-110 002
- The Registrar Central University of Kerala, Tejaswini Hills Kasaragod- 671316 Kerala
 - Dr. Sudha Kappalli Associate Professor / Program Co-ordinator Department of Animal Science, School of Animal Science, Central University of Kerala, Tejaswini Hills Kasaragod- 671316 Kerala

7. File Copy

(Dr. Umesh K. Sharma) Scientist -E







26-31 December 2017

Central University of Kerala, Kasaragod

LIST OF SELECTED STUDENTS

| SI.No. | Name of the applicant | Name of the School | Phone Number | Photo | % of Mark |
|--------|-----------------------|----------------------------------|-----------------------|-----------------|-----------|
| 1 | Aryajothis.C | G.H.S.S.Chayyoth | 9497233479 9497609704 | | 95 |
| 2 | Pavithran.K.P | GHSS Kundamkuzhy | 9495769001 | AND AND AND AND | 95 |
| 3 | Athul.K | GHSS Balla East, Chemmattamvayal | 9495702339 | | 95 |

| 4 | Arundhathi Padmanabhan | Jawahar Navodaya Vidyalaya, Periye | 0467 2234057 9497057838 | The second secon | 95 |
|----|---------------------------|---|-------------------------|--|----|
| 5 | Lakshmi Priya Vijayan | Durga HSS Kanhangad | 0467 2205988 9446445988 | | 95 |
| 6 | Sanjay.M | Sree Annapurneshwari Higher Secondary School, Agalpady | 9446271105 | | 95 |
| 7 | Keerthana.P | AVSGHSS Karivellur | 9744732479 | S | 95 |
| 8 | Anjali.P | IMNSGHSS, Mayyil | 0460 2275899 9661143829 | The second secon | 95 |
| 9 | Anusree.K | GHSS Kannadiparamba | 9562275027 | | 96 |
| 10 | Jilna Biju | St.Josephs HSS Vayattupparamba | 9961339559 | | 95 |

| 11 | Athul Raj. K | Kendriya Vidyalaya Keltron Nagar | 9495647543 | ्रोत करार द्रोल करार | 95 |
|----|---------------------|--|-------------------------|-------------------------|-----|
| 12 | Jerrit Spary.T | Poilkave HSS Edakkulam, Koyilandi | 0496 2686889 8086103361 | S Foot of HS | 95 |
| 13 | Muhammed Abin.C.H | GVHSS Mananthavady | 8547690118 8547551544 | | 100 |
| 14 | Sanjay Babu.C | G.V.H.S.S Pathiripala | 0491 2872023 9446903209 | | A1 |
| 15 | Anagha.S.Gireesh | Kendriya Vidyalaya Ottapalam,Palappuram | 9446123420 | A | A1 |
| 16 | Ananthita A Padmesh | Saraswathi Vidyalaya Senior Secondary School, Vattiyoorkavu | 9446404397 9446404379 | | A1 |
| 17 | Aditya Shine | St. Antony's Public School, Anakkal | 9447022771 | | A1 |

| 18 | Adithya K | Jawahar Navodaya Vidyalaya, Periye | 9497611276 | | 95 |
|----|-------------------------|--|-------------------------|--|-----|
| 19 | Anupam Chandran | Jawahar Navodaya Vidyalaya, Periye | 9446673663 | The state of the s | 95 |
| 20 | Aishwarya Nair | Kendriya Vidayalaya NTPC, Kayamkulam | 0479 2474822 984741342 | | A1 |
| 21 | Vishu SS | PNM HSS, Koonthallor | 9746919418 9746978576 | | 95 |
| 22 | Manu.V.M | Jot,Islam HSS, Vellimadukkunnu, Marikunnu | 9809750042 | | 95 |
| 23 | Ahamed Nihal Rasheed | CJHSS Chemnad | 04994 240373 9633814291 | The state of the s | 100 |
| 24 | Kanadhana T.V | | 0446640575 | | 0.5 |
| 24 | Keerthana.T.V | G.H.S.S.Chayyoth | 9446610575 | | 95 |
| 25 | Sreelakshmi.A | GHSS Kundamkuzhy | 8304980539 | FRINCETAL | 95 |

| 26 | Anagha.K.V | GHSS Balla East, Chemmattamvayal | 0467 2208801 808618801 | 95 |
|----|------------------------|---|-------------------------|----|
| 27 | Aishwarya Narayanan | Jawahar Navodaya Vidyalaya, Periye | 04672234057 9567144856 | 95 |
| 28 | Hridya.A | Durga HSS Kanhangad | 9207997495 | 95 |
| 29 | Amruth P | Sree Annapurneshwari Higher Secondary School, Agalpady | 04994 260607 9847292256 | 95 |
| 30 | Vrinda Mohanan | Govt Girls HSS Payyanur | 04985204104 9446895700 | 95 |
| 31 | Nirmal Nath | IMNSGHSS, Mayyil | 9497766646 | 95 |

| 32 | Jishnu.M | Moothedath HSS Thaliparamba | 0460 2209448 9744649387 | | 95 |
|----|----------------------|--|-------------------------|-----------------|----|
| 33 | Muflitha.K.P | St.Josephs HSS Vayattupparamba | 9847138675 | | 95 |
| 34 | Arya Sreevalsan | Kendriya Vidyalaya Keltron Nagar | 9895719300 | THE RESERVE SAN | 95 |
| 35 | Aadithya Krishna.V.R | R.N.M.HSS Narippatta | 0496 2447509 9745966434 | | 96 |
| 36 | Muhammed Yasir.K.P | GVHSS Mananthavady | 9497794293 9656938393 | | 95 |
| 37 | Aswathy.M.M | Cherupushpam Girls HSS Vadakkencherry | 9744876612 | | 96 |
| 38 | T.V.Nithin | Kendriya Vidyalaya Ottapalam,Palappuram | 8111827408 | | 95 |

| 39 | Aditi Maheswari | Govt .Sanskrit HSS Vadakara | 0496 2523260 9539000040 | | 95 |
|----|--------------------------|--|-------------------------|--|----|
| 40 | Vidya Sunil | GGHSS Cotton Hill, Vazhuthakkadu | 0471 2369502 9447341250 | | 95 |
| 41 | Ishani Mohan | Sharada Vidyanikethana Devinagara, Talapady | 0467 2281583 9444910709 | | 86 |
| 42 | Sujith T | Jawahar Navodaya Vidyalaya, Periye | 9495304911 | WE THE WORLD THE PERSON AND THE PERS | 95 |
| 43 | Muhammed Zakariya.P.K | Garden Valley E.M.H.S.S Kuttippala | 9846948214 8089489033 | | 97 |
| 44 | Obasho.M | Poilkave HSS Edakkulam, Koyilandi | 0496 2630123 9400223423 | | 95 |

| 45 | Anirudh.J.Varma | Rajahs HSS Nileswar | 0467 2281948 7560969642 | | 95 |
|----|-----------------------------|------------------------------------|-------------------------|---|-----|
| 46 | Elsitta Jhomas | Sacred Heart HSS Angadikkadavu | 7902970879 | | 97 |
| 47 | Nasriya.K.B | G.H.S.S.Vaduvanchal | 9605224283 | | 96 |
| 48 | Sankeerthana.P.A | Iritty HSS Keezhur | 0490 2458358 9446265560 | | 100 |
| 49 | Sreelakshmi Rajeevan.M.V | GHSS Kuttamath, Cheruvathur | 9496138571 | | 95 |
| 50 | Vaishnav Sankar | GHSS Periye | 0467 2234343 9447474676 | 8 | 100 |
| 51 | Athira C A | Jawahar Navodaya Vidyalaya, Periye | 0467 2234057 9388237388 | | 95 |

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|----|-----------------------|--|-------------------------|---|----|
| 52 | Ashrai Kumar | C.H.S.S Chattanchal | 9562780198 9946131638 | | 95 |
| 53 | Adithya Krishnan.N.P | H.H.S.I.B.S.H.S.S. Edaneer, Kasaragod | 9497877723 9446647213 | | 95 |
| 54 | Aiswarya.V | Shenoy Smaraka G HSS Kandankali Payyanur | 04985 281942 9495755915 | | 95 |
| 55 | Abhinav Raj.K.V | IMNSGHSS, Mayyil | 0460 2275824 9495515824 | | 95 |
| 56 | Sreelakshmi Viswanath | Moothedath HSS Thaliparamba | 9447961366 9400407221 | | 95 |
| 57 | Mary Xavior | St.Josephs HSS Vayattupparamba | 9544243780 | | 95 |
| 58 | Manjima Mahesh | Kendriya Vidyalaya Ins Zamorin Ezhimala | 04985 208321 9496358321 | MANJAMA MAHESHI 24 July 29 79 79 79 79 79 79 79 79 79 79 79 79 79 | A1 |

| 59 | Ajnas P | GVHSS Mananthavady | 8547131858 9496473858 | | 100 |
|----|----------------------------|--|----------------------------|--|-----|
| 60 | Fathima Bind Abdulkadir | GVHSS Neriamangalam,320807, Kothamangalam | 9946925020 9446213586 | A TO SECOND STATE OF THE S | 99 |
| 61 | Ashyan Ahmed | Kendriya Vidyalaya Keltron Nagar Mangad, Kannur | 9400577531 | | 95 |
| 62 | Emi S Yona | GMGHSS, Pattom | 9744503993 | | 95 |
| 63 | Roshan V P | GHSSS Cherpulassery | 9744472025 | | 95 |
| 64 | Anag G R | Jawahar Navodaya Vidyalaya, Periye | 8547654230 7561823684 | | 95 |
| 65 | P.Abhiram | GHSS Balla East, Chemmattamvayal | 9495437633 0467 2269333 | | A1 |

| 66 | Adwaid Aravind | Rajahs HSS Nileswar | 7558855045 9496830604 | | 95 |
|----|----------------|------------------------------------|----------------------------|---|----|
| 67 | Anusree.N | Kendriya Vidyalaya No-1 Easthill | 9447637072 0495 2375100 | | A1 |
| 68 | Sandra Babu | Sacret Heart CG HSS | 04884 233490 9497069065 | | 95 |
| 69 | Abhijith N | Jawahar Navodaya Vidyalaya, Periye | 9846470172 | | 95 |
| 70 | Niranjana.M.V | G.H.S.S.Cheemeni | 04985261152 9496138977 | | 99 |
| 71 | Vismaya.P.P | GHSS Kuttamath, Cheruvathur | 9605216966 | | 95 |
| 72 | Anila P | GHSS Periye | 8086131804 | * | 95 |

| 73 | Athul Krishna K | Jawahar Navodaya Vidyalaya, Periye | 9447653632 | 95 |
|----|--------------------|------------------------------------|-------------------------|----|
| 74 | Manuprasad.K | C.H.S.S Chattanchal | 9744963791 9061237936 | 95 |
| 75 | Aiswarya B Pradeep | Kendriya Vidyalaya No.1 CPCRI | 9633789190 | A1 |
| 76 | Alaura a N | K.D.D.C.S.Co., t. USS. Kalliannavi | 0004205200 | 05 |
| 76 | Assure Asil | K.P.R.G.S.Govt.HSS Kalliasseri | 9961365366 | 95 |
| 77 | Anwaya Anil | Govt.Brennen HSS Thalassery. | 0490 2351340 9447313164 | 95 |
| 78 | Jesvin Denny | St. Thomas HSS Kiliyanthara | 9446480031 8281623173 | 95 |

| 79 | Vaishnavi.R.P | GHSS Naduvannur | 9946753981 | | 96 |
|----|---------------|----------------------------------|-------------------------|---|-----|
| 80 | Athul.M.E | V.M.C.G.H.S.S. Wandoor | 9447882217 8943269210 | | 96 |
| 81 | Jeevan James | AIHSS Padoor | 0487 2292356 9895250477 | 9 | 100 |
| 82 | Rohan.B | TSNMHSS, Kundurkunnu, Mannarkkad | 9544838194 | 9 | <90 |
| 83 | Sooraj.T.S | Model Technical HSS, Kaloor | 9995304008 9447001453 | | 98 |
| 84 | Saidalavi N | GHSSS Cherpulassery | 7012806201 | | 95 |

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|----|------------------|------------------------------|------------------------|-------------|-----|
| 85 | Adhil. T.M | G.H.S.S Cheruplassery | 9605464663 | | 95 |
| 86 | Yadu Krishna.E.P | CJHSS Chemnad | 9497842040 | | 100 |
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| 87 | Muneeb.K.A | G.H.S.S Irikkur | 9809806068 8281564258 | GOWNHAN E R | 100 |
| 88 | Ani.K.Raghavan | Kendriya Vidhyalaya Payyanur | 8547219707 9446045791 | | 95 |
| 89 | Akshay AJ | GHSS, Kadakkal | 9656086214 | | 95 |
| 90 | Edwina Gijy | St. Thomas HSS Erattayar | 9995774222 9447823181s | | 95 |
| 91 | Akhila K | Dr. Ambedkar GHSS , Kodoth | 9495512332 | A | 100 |

| 92 Amritha.N GHSS Cheemeni 9400463708 99 93 Hridya.K GHSS Kuttamath, Cheruvathur 9446674841 95 94 Sreehari M GHSS Periye 9946973617 9656750913 95 95 Sharath Raghavan Jawahar Navodaya Vidyalaya, Periye 7560814994 A1 96 Aishwarya.K.P C.H.S.S Chattanchal 9544768224 95 97 Aiswarya.M Kendriya Vidyalaya No.1 CPCRI 04994 222981 9447365721 A1 | | | | | | |
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| 94 Sreehari M GHSS Periye 9946973617 9656750913 95 95 Sharath Raghavan Jawahar Navodaya Vidyalaya, Periye 7560814994 A1 96 Aishwarya.K.P C.H.S.S Chattanchal 9544768224 95 97 Aiswarya.M Kendriya Vidyalaya No.1 CPCRI 04994 222981 9447365721 A1 | 92 | Amritha.N | GHSS Cheemeni | 9400463708 | | 99 |
| 94 Sreehari M GHSS Periye 9946973617 9656750913 95 95 Sharath Raghavan Jawahar Navodaya Vidyalaya, Periye 7560814994 A1 96 Aishwarya.K.P C.H.S.S Chattanchal 9544768224 95 97 Aiswarya.M Kendriya Vidyalaya No.1 CPCRI 04994 222981 9447365721 A1 | | | | | | |
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| 95 Sharath Raghavan Jawahar Navodaya Vidyalaya, Periye 7560814994 A1 96 Aishwarya.K.P C.H.S.S Chattanchal 9544768224 95 97 Aiswarya.M Kendriya Vidyalaya No.1 CPCRI 04994 222981 9447365721 A1 | | Constract M | CUSS Paring | 004073047 0050750043 | | 05 |
| 96 Aishwarya.K.P C.H.S.S Chattanchal 9544768224 95 97 Aiswarya.M Kendriya Vidyalaya No.1 CPCRI 04994 222981 9447365721 A1 | 94 | Sreehari M | GHSS Periye | 9946973617 9656750913 | | 95 |
| 97 Aiswarya.M Kendriya Vidyalaya No.1 CPCRI 04994 222981 9447365721 A1 | 95 | Sharath Raghavan | Jawahar Navodaya Vidyalaya, Periye | 7560814994 | | A1 |
| | 96 | Aishwarya.K.P | C.H.S.S Chattanchal | 9544768224 | | 95 |
| | 97 | Aiswarya.M | Kendriya Vidyalaya No.1 CPCRI | 04994 222981 9447365721 | | A1 |
| | | | | | | |
| 98 Yadu Krishnan. T.P G H.S.S Chattukappara 9495577885 94 | 98 | Yadu Krishnan. T.P | G H.S.S Chattukappara | 9495577885 | 1 1 11 | 94 |

| Swethaprabha. K | Govt.Brennen HSS Thalassery. | 8547707525 | | 95 |
|-----------------|------------------------------|--|--|--|
| Khaleesa.K | Tagore Memorial HSS,Vellora | 9495090849 9400106238 | | 95 |
| Dikshit.M | Koodali HSS,Koodali Kannur | 9061077844 | | 95 |
| Arya.S | GHSS Naduvannur | 0496 2651693 9495306510 | | 96 |
| Arunima N K | KIINHAII MARAYKAR HSS | 0496 2600198 9497646984 | P | 95 |
| | | | | 97 |
| | Khaleesa.K | Khaleesa.K Tagore Memorial HSS,Vellora Dikshit.M Koodali HSS,Koodali Kannur Arya.S GHSS Naduvannur Arunima.N.K KUNHALI MARAYKAR HSS | Khaleesa.K Tagore Memorial HSS,Vellora 9495090849 9400106238 Dikshit.M Koodali HSS,Koodali Kannur 9061077844 Arya.S GHSS Naduvannur 0496 2651693 9495306510 Arunima.N.K KUNHALI MARAYKAR HSS 0496 2600198 9497646984 | Khaleesa.K Tagore Memorial HSS,Vellora 9495090849 9400106238 Dikshit.M Koodali HSS,Koodali Kannur 9061077844 Arya.S GHSS Naduvannur 0496 2651693 9495306510 Arunima.N.K KUNHALI MARAYKAR HSS 0496 2600198 9497646984 |

| | | | T | | |
|-----|--------------------|------------------------------------|-------------------------|--|-----|
| 105 | Aavany V Babu | HSS Panangad | 0480 2854056 9447673330 | | 100 |
| 106 | Amrutha Priya.K.T | St.Therese HSS,Shornur | 8943994629 | | A1 |
| 107 | Muhammed Aslam.C.I | Cardinal HSS Trikkakara | 9037401070 9037256131 | And Allerton Secondaries | 95 |
| 108 | Harishankar S | GHSS, Kalavoor | 9447035856 | | 100 |
| 109 | Alan Vijay V S | GHSS Neyyattinkara | 9497850013 9497852350 | | 95 |
| 110 | Arshia S | GVGHSS Chittur | 04923 222981 9495761316 | | 95 |
| 111 | Devipriya P | Jawahar Navodaya Vidyalaya, Periye | 0467 2234057 9495800886 | The state of the s | 95 |

| 112 | Ajay.V | Kendriya Vidyalaya Ottapalam,Palappuram | 9746299780 | UI CONTROL OF THE PARTY | A1 |
|-----|-------------------|---|-------------------------|-------------------------|-----|
| 113 | E.P.Ahmed Hilal | Kendriya Vidyalaya Keltron Nagar | 0497 2788381 9895407761 | | 95 |
| 114 | Neha.P | IMNSGHSS, Mayyil | 9526506824 | | 95 |
| 115 | Sidharth | AVSGHSS Karivellur | 04985 280168 9961176188 | | 95 |
| 116 | Abhishek Krishnan | GHSS , Karunagappalli | 0476 2627999 9497534999 | | 100 |
| 117 | Manjima.M.P | GHSS Kuttamath, Cheruvathur | 9495417265 | | 95 |

| | | | | 1 | |
|-----|--------------------------------|---|------------------------|-----------|----------|
| 118 | Aswathi M | GHSS Periye | 9946630116 | 8 | 95 |
| 110 | Vingu Cooldhara | Jawahar Navadaya Vidyalaya Dariya | 9447400013 | # April 1 | OF. |
| 119 | Vinay Sasidharan Vaishali.B.K | Jawahar Navodaya Vidyalaya, Periye Kendriya Vidyalaya No.1 CPCRI | 04994221018 9495339145 | | 95 A1 |
| 121 | Akshara.K | Chattukappara HSS | 9961505652 | | 95 |
| 122 | Ananya Ganesh.C | Govt.Brennen HSS Thalassery. | 04902356447 9447684496 | | 95 |
| 123 | Nikhitha Joy | Chovva HSS Chovva | 9744381025 | A | 97 |

| 124 | Nirupama Chandran | NHSS, Nanminda | 9946917062 | 95 |
|-----|--------------------|--|-----------------------|-----|
| 125 | Mohammed Ashar.M.M | KHMHSS Valakolam | 9895905979 | 100 |
| 126 | Minshija P M | St Antony's High School, Puthenpeedika | 8714156587 9447556587 | 95 |
| 127 | Karthik.R | AKNMMAM HSS Kattukulam, | 9946239241 9846284014 | 98 |
| 128 | Gopika G | Govt.Girls HSS, Vaikom | 9495110502 | 100 |

| 129 | Aaditya chandra Prasanth | GMBHSS Harippad | 9446054695 9846654695 | USHA.V.GEUA | 95 |
|-----|--------------------------|------------------------------------|-------------------------|-------------|----|
| 130 | Jessna S Kapoor | St Thomas HSS | 9947099999 9446709999 | | 95 |
| 131 | Jyothi James | Jawahar Navodaya Vidyalaya, Periye | 9447054662 | | 95 |
| 132 | J.R.Arjun | GHSS Balla East, Chemmattamvayal | 0467 2266649 8137872533 | | A1 |
| 133 | Abhinave S | HSS & VHSS Brahmamangalam | 8547437772 7025063936 | | 96 |
| 134 | Sandra Aravind | Jawahar Navodaya Vidyalaya, Periye | 9447867709 | | 95 |

| | T | | <u> </u> | | |
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| 135 | Krishnakripa G. K. | Jawahar Navodaya Vidyalaya, Periye | 9747358995 0467 2234057 | | 95 |
| 136 | Sandiptha Rag P | Dr. Ambedkar GHSS , Kodoth | 9446270929 | | 100 |
| 137 | Santo Paul | St. Judes HSS Vellarikundu | 9495296583 | | 95 |
| 138 | Padmanabha Patteri.K.P | Rajahs HSS Nileswar | 0467 2281983 9495572328 | | 95 |
| 139 | Riya.A | G.H.S.S Azhikode | 9747639024 | Pelacia | 95 |
| 140 | Nandana Rathna | G.H.S.S Koyyam | 0460 2261710 9495126254 | | 96 |

| 141 | Neha Mathew | Sacred Heart HSS Angadikkadavu | 98098228815 | | 97 |
|-----|-----------------|------------------------------------|-------------------------|---|-----|
| 142 | Medha.A.P | Kendriya Vidhyalaya Payyanur | 04985 209879 9947431029 | | 95 |
| 143 | Ashby Sreejan | Perambra HSSS, Perambra | 0496 2614271 9447014271 | | 95 |
| 144 | Ayisha | NHSS, Vakayad | 9946487387 8281364400 | | 95 |
| 145 | Sreelakshmi.P.S | AVHSS Ponnani | 8086603545 8593031275 | A | 95 |
| 146 | Maya.M | RPMHSS Panangattiri , Panangattiri | 9526379384 8281497396 | | 100 |

| 147 | Sushil Thomas David | CMS College HSS, Kottayam | 04812562383 9446486541 | | 95 |
|-----|---------------------|------------------------------------|-------------------------|--|----|
| 148 | Aleena Jiji | Jawahar Navodaya Vidyalaya, Periye | 9446084234 | | 95 |
| 149 | Sreelakshmi P | Jawahar Navodaya Vidyalaya, Periye | 0467 2234057 9497600796 | Secretary Secret | 95 |
| 150 | Sooraj.C | GHSS Kundamkuzhy | 9400243935 | CHSS Numericals | 95 |
| 151 | Surya.S.Sunil | GHSS Balla East, Chemmattamvayal | 9447691819 | | 95 |

| 152 | Adithya Jayakrishnan | GHSS Kannadiparamba | 9496243991 | 95 |
|-----|----------------------|---------------------------------------|------------|----|
| 153 | Akshaya Kumar.V.K | GHSS Kundamkuzhy | 7026584524 | 95 |
| 154 | N K Mahitha | Jawahar Navodaya Vidyalaya, Periye | 9746353917 | 95 |
| 155 | Gayathri.G | Cherupushpam Girls HSS Vadakkencherry | 9349874979 | 96 |







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Central University of Kerala, Kasaragod

ATTENDANCE GROUP 1

| | Name of the | 26.12 | .17 | 27.13 | 2.17 | 28.12 | .17 | 29.1 | 2.17 | 30.12 | .17 | 31.12 | .17 |
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| SI.No. | applicant | FN | AN | FN | AN | FN | AN | FN | AN . | FN | AN | FN | AN |
| 1 | Aryajothis.C | | Shall a | Spann | 6 mil | To Take | Sugar. | A SOM | Captony | (2)30° | Charles . | @23 m | 6000000 |
| 2 | Pavithran.K.P | | Delas | Barbo | A B | De la constitución de la constit | - New York | D | | 2 | S. | 0 | 1 |
| 3 | Athul.K | | Que! | of. | and | 0 | Gaz | a= | Ato | | - | 1 | |
| 4 | ArundhathiPa dmanabhan | | All Park | Q.L. | David . | Dank. | South | Actual | Carlo | / | | | |
| 5 | Lakshmi PriyaVijayan | | Code | िक्रिये | (colin | hadal | Laga. | Last. | Post | East | Toro | Gude. | fa Inl |
| 6 | Sanjay.M | | Seyet | Jack | Longer | Sonfit | Soft | Soist | Society | Bayor | Souther | Santa | Son b |
| 7 | Keerthana.P | | 1 | 3 | 100 | The same | 30- | Ros | 100% | 100 | 1 | #º | 30 |
| 8 | Anjali.P | | Real | Shar | Repli | Alaph. | Boyer | Hotel | Malace | A Prys | Rap | Media | Ang. |
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| 10 | JilnaBiju | | dila | Illia | May | Tiles | Hills | ntro | the | Teles | Elis | Pila | |
| 11 | Athul Raj. K | | M | Juge - | ME | but ! | WETT THE | 黑 | LEF | W | 164 | land. | 字 |
| 12 | JerritSpary.T | Quelit | Sh. Y | Sender ! | But | (alex) | Ship! | 3 | 9 | May. | (Clark | Also Fr | gray. |
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| 14 | Sanjay Babu.C | des | Set . | pays. | H | Just | Att. | port | And the | distri | the first | Aug- | Hart |
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| 16 | Ananthita A Padmesh | X | Me | DE | W | ARE . | 348 | XX | * | XX | XX | MIX | BAR |

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| 17 | Hridik Krishna | | | | | | | | | | | | |
| 18 | Aditya Shine | A Stilling | A dia | A TALLY | ATAN | A THE | A date | stan. | Atolla | Addition | A dir | No. | - A 30 |
| 19 | Adithya K | athstal | Altoll | att SEN | Allebo | ANGUL | Just | Hasty | THEFE | Shall | 201-30 | 2 Maria | RATIONAL |
| 20 | AnupamChand ran | | and | alip | (34) | OFF | app. | A | and a | | | | |
| 21 | Aishwarya Nair | | Ailum | Ashur | A. C. | And | Billing | | Adding | 1 | and | ar. | DI |
| 22 | Vishu SS | | July | Just | Cielas | John | (ISE | Cish | Celo | Lister | liter | (ixai | |
| 23 | Emanuel Christo | | , | | 4/ | */ | 7 | 7 | * | V | * | Y | |
| 24 | Manu.V.M | Nav | Mu | War | Van | Van | Nau | - Vou | Var | Nov | Nous | May | Van |
| 25 | AhamedNihalR asheed | 1 | # | del : | H: | #- | A. | A. | A | #- | A. | W. | inf |







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Central University of Kerala, Kasaragod

ATTENDANCE GROUP 2

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| SI.No. | Name of the applicant | FN | AN | FN | AN | FN | AN | FN | AN , | FN | AN | FN | AN |
| 1 | Keerthana.T.V | | Juny. | Jun. | Juy. | Jul. | dur. | 4. | Anny. | 8 | fy. | de. | Har |
| 2 | Sreelakshmi.A | | 000 | 800 | 80 | Breek | 800 | Short | 820 | 819 | 80 | 80% | |
| 3 | Anagha.K.V | | By! | By. | On! | By! | Bu! | Ry! | By- | Ry. | By | R | Re |
| 4 | Aishwarya Narayanan | | No. | XX | X | Aid | King . | A COM | 18 Sept | 1 July | Ada. | No. | |
| 5 | Hridya.A | | Mode | 11-4 | Hmy | 1 de la | Helyn | Huelpe | Holy | ALY. | Had | Hal | Š |
| 6 | Amruth P | | Auth | Author | Areta | Das ST | Mostle | Charles . | Quety | Denistr | Dodo R | Acces | 7 |
| 7 | VrindaMohanan | | Minde | Vindo | John John | Vaine | Nova | Vaire | daya | | | | |
| 8 | NirmalNath | * | Marie | Sul | Que | Sur | Number | Con 1 | Q. | 0 | XL. | DE | |
| 9 | Jishnu.M | | apar | And | apper 1 | Opp | (Mar) | april 1 | A STATE | | | , | |
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| 13 | MuhammedYasir.K.P | 神 | duf. | THE. | Lef | -Acest | Aust | 700 | 对好. | Total Mark | 茶 | Top | A STATE OF THE PROPERTY OF THE |
| 14 | Aswathy.M.M | A LAND | Jan B | AND THE REAL PROPERTY. | for fair | THE REAL PROPERTY. | A MAN | de color | No-Aller | * E | X | X | A PROPERTY OF THE PROPERTY OF |
| 15 | T.V.Nithin | | | | | | | | | | | , | |
| 16 | AditiMaheswari | | dir | (d) | Sho | (A) | Offe | Sp | (Alle) | 86 | DE. | W | |
| 17 | Vidya Sunil | | Veder | Vadys | Vede . | Vidye. | Valor | Vily: | Vidy | Talia (| Jak . | Mark | lidy |
| 18 | Ishani Mohan | The Land | Marial | Marjan | John | Agrand | Marin . | Milia | Han | of how | A Change | Man Allen | Labour Line |

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| 20 | MuhammedZakariya.P.K | A A A A A A | |
| 21 | Obasho.M | 99999 | |
| 22 | Anirudh.J.Varma | A A A A A A | AP |
| 23 | Elsitta Thomas | which wife who will delp of the | |
| 24 | Nasriya.K.B | de la | The same |
| 25 | Sankeerthana.P.A | 3 3 3 3 3 SA | |
| 26 | Pawathi Vinayan | Next Next Red Rich Ber But Mind Del | и А |
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Central University of Kerala, Kasaragod

ATTENDANCE GROUP 3

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| SI.No. | Name of the applicant | FN | AN | FN | AN | FN | AN | FN | AN | FN | AN | FN | AN |
| 1 | AshwinPrakash.R.C | | | | | | | | | | | | |
| 2 | SreelakshmiRajeevan.M.V | - Accept | State | 200 | 5000 | 3000 | 500 | 500 | Jal. | 130 | 198° | 050 | 1 |
| 3 | VaishnavSankar | | 1 | New? | Berde | Naire | Nacio | 1/20/ | Jana | V. | 3/ | This | \$5 |
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| 5 | Ashrai Kumar | Was. | Melo | MAP. | No see | My | MANA | 1 | AND | Mp | W | Al | AV |
| 6 | AdithyaKrishnan.N.P | Alited | Adillet | Mides | Milita | Alik | Hiller | Nint. M | Markey | Mille & | Middle | NIA. | M. M. |
| 7 | Aiswarya.V | OB64 | 8 : | S. | A. | S. | W. | 8 | W. | A. | 8 | S. | Se |
| 8 | AbhinavRaj.K.V | 6 | Dil | 0000 | 03 | 000 | 0% | One | 0000 | 00 | On | 0 | 00 |
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| 11 | Manjima Mahesh | | Mil | HAI | Hil. | Hell | Hell | Heil | Heil | Hel | HEIK | APA MAR | 松 |
| 12 | Ajnas P | 800. | BY | Bu | 94 | Ste | Sky | SRL | SEA | 3h | 94 | 599 | gen |
| 13 | Nirupama T S | | | | | | | | | | | | |
| 14 | Fathima Bind Abdulkadir | | - Je Alice | - He | MEX | MAN STATE OF THE PARTY OF THE P | Just 4 | my x | الملاقية | JH K | J. Her | 3XX | JAX 6 |
| 15 | Ashyan Ahmed | | May | distro | Listy | Alin | hus | tohas | Jephi | A | - AR | 1 | S. |
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| 17 | Roshan V P | Rest | PS. | Rest | छिंथु. | Ros | 981 | 900 | 48 | - QQ | 798 | (A) | |
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| 22 | Joseben M.J | | | | | 7 | | | | | y | |
| 23 | Namitha.C | | | | | | | | | | | |
| 24 | Sandra Babu | See and the second | Gordan | gante | a solo | God! | Sand! | Sale? | Santa | Side | Spark. | |
| 25 | Abhijith N | 24 | 1 | 25 | (A)S | A. | 34 | A. | 07 | (de | 0 | 45 |
| 26. | NIRANJANAIL | NEWSK | 塘村 | Ung | THE | 1 Hard | Maff | - Rough | Xint | Diff | PH | 是他的 |







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ATTENDANCE GROUP 4

| | | 26.12 | 2.2017 | 27.12 | .2017 | 28.12 | 2.2017 | 29.12 | .2017 | 30.12 | .2017 | 31.12 | 2.2017 |
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| SI.No. | Name of the applicant | FN | AN | FN | AN | FN | AN | FN | AN | FN | AN | FN | AN |
| 1 | Niranjana.M.V | | Alund. | Made | Die | Newl | NA. | DIO | DIE | NO | Dula | Nin | Dhi |
| 2 | Vismaya.P.P | | J. Roghe | Justan | Jarrogan | Mingue | Diego | 1. Tions | 18000 | 1 KN98 | JAGO | ALL SERVICE STREET | Jaso |
| 3 | Anila P | | and | Analo | Sout 1 | (Post | 20dd | Allo (| 92 | Day | 2 | april | Her |
| 4 | Athul Krishna K | 1 | To week | Town . | The state of | tome | No. | Jan. | B. | John! | 龙 | Top | |
| 5 | Manuprasad.K | | THE | a KA | THE | NA | NA | all. | A | 16.10 | W. | X | X |
| 6 | Aiswarya B Pradeep | Hard's | daning | Dest | doog | A CONO | A CONTRACTOR | 135 | | | | | 1 |
| 7 | Aiswarya.N | | J.A. | Jed. | July. | Sust. | Aut | whet. | Aut. | Hal | Just | De | A |
| 8 | Anwaya Anil | | AA | all all | M | Ald . | and a | that . | AL. | all | and a | M | |
| 9 | Jesvin Denny | | Confirm | Jenivr | Astron | Jesvin | Win | Spin . | Sendu | | | | |
| 10 | Vaishnavi.R.P | | Saul | Quil | Claud | Stub | exual | Epul | Say! | etal | Der- | elase | eland. |
| 11 | Athul.M.E | | 0.00 | 00,001 | of the | open | ofth | 0,01 | dealy | WHY! | soully | dely | 10,12 |
| 12 | Jeevan James | franci | Trans | Fraud | Insuig | Franci | Inugi | Travag | Inques | Trais | 趣的 | the | Anaro |
| 13 | Rohan.B | 1 | Rue | Rie | Die | Bee. | Dil | Dr. | Rep. | Sus | | | |
| 14 | Sooraj.T.S | | 8001 | OBS | 800 | Shap . | - ON | | | - | | | |
| 15 | Arjun S | | | | * | | | | | | | | |
| 16 | Kashmira A Nair | | | | | | | | | | | | |
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| 18 | Vishnu Madhav | | | | | | | | | | | |
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| 19 | Adhil. T.M | De. | and. | De | est. | D. | At. | 000 | 300 · | A82. | Ay- | ACC. |
| 20 | YaduKrishna.E.P | Godin | John | Jodu | Padu | Code | grah | Jadu | golf. | gadr. | gudu | Jode |
| 21 | Muneeb.K.A | Mak | Mah | 1387 | Mar | Mah | Man. | Mah | 108p | 199,10 | 14.54 | Mab |
| 22 | Ani.K.Raghavan | Andre | Andre | Just | Adr. | at d | shit. | atolic. | Halin. | | | |
| 23 | Akshay AJ | AN | SIST | 1950 | Aust | teath | Jaston | Aus | -1600 | An | Br | Bray |
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26-31 December 2017

Central University of Kerala, Kasaragod

ATTENDANCE

GROUP 5

| | | 26.1 | 2.2017 | 27.12 | 2.2017 | 28.12 | .2017 | 29.12 | 2.2017 | 30.12 | 2.2017 | 31.12 | 2.2017 |
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| SI.No. | Name of the applicant | FN | AN | FN | AN | FN | AN | FN | AN | FN | AN | FN | AN |
| 1 | Amritha.N | | And | AM | Ank. | this, | MAR | And | John . | An | M | M | 000 |
| 2 | Hridya.K | | Ok whit | died | diedy | High | die | ding | dright | High | Hindle | die | ding |
| 3 | Sreehari M | | July | June | Contr | Pope | By. | hyp | Joseph | July 1 | Dry | B | 12 |
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| 5 | Aishwarya.K.P | | Short | Buck | Burg | SX. | Brede | Shear | Miles | No. | South | March | South of the same |
| 6 | Aiswarya.M | | W | ON. | John . | X | Sty | ** | A. | | | | |
| 7 | Yadu Krishnan. T.P | | MIL | - Sheet | essent | يعمو | HARM | سجيلا | Adr | Mayor. | All | بيليا | Al |
| 8 | Swethaprabha. K | | A PORTE | Allah | Andread | Make | 77/61 | Her | Maket | Mal | Jak. | Jak. | Made |
| 9 | Khaleesa.K | | 460 | 1202 | Now | ZAX | Sold A | MAN | PAR | Sol | Th | FA | e Kry |
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| 12 | Arunima.N.K | | But | Gul | Gmb | Gul | Conti | Gulle | Que | Bride | Canth | Burk | A |
| 13 | Saandeep. U | | Great 9 | Sal | 2 mg | 24 | A.S. | Gard | Siaro | Coul | Say) | Cal | Server ! |
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| 15 | AmruthaPriya.K.T | | May | BOR | Birk. | White ! | Days. | 030 | sons, | Plas | This | Din. | pass |
| 16 | MuhammedAslam.C.I | | Asland | (Jahren) | Alas | Don | Dar | Mary | Aslan | dr. | Dank | Ale | Aday |
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| 18 | Alan Vijay V S | | No | A. | HOR. | | ale of | , notes | The state of the s | P | AD | X | do |

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| 21 | Ajay.V | The As de As de As de As de As de |
| 22 | E.P.AhmedHilal | AND |
| 23 | Neha.P | States spirit land later status statu |
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| 25 | Abhishek Krishnan | The sale was been die to the sale of the s |







DST- INSPIRE SCIENCE CAMP

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ATTENDANCE

GROUP 6

| | | 26.12.2017 | | 27.12 | .2017 | 28.12.2017 | | 29.12.2017 | | 30.12.2017 | | 31.12.2017 | |
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| SI.No. | Name of the applicant | FN | AN | FN | AN | FN | AN | FN | AN | FN | AN | FN | AN |
| ı | Swetha Viswanath | | | | | | | | | | | | |
| 2 | Manjima.M.P | | XXXX | 000 | Dos | Mos | XXX | AND! | ADOS: | Mar. | Marie | 8000 | May 1 |
| 3 | Aswathi M | (| N | de the | De the | Dente | De Mi | De the | A A | Dethi | A Hi | P. A. | 300 |
| 4 | Vinay Sasidharan | all le | Orate . | 098-k | Wet. | Poto | gaste | OR b | Acto | | | | |
| 5 | Akash John | | | | | | | | | | | | |
| 5 | Vaishali.B.K | To John | Joshine | 10000 | 1000 | Jedis | Joseph . | 1 march | Joshin. | | | | |
| 7 | Akshara.K | | THE PARTY NAMED IN | Sittanto | Strange | ASTON! | With the last | BURNETA | TO THE | - ANDERE | THE TOTAL | -person | - Frank |
| 8 | Ananya Ganesh.C | Actual | Afrya. | Artigue | Afri | Ada | Arry | Allays | Artis (| AF | ARu | defin | |
| 9 | Nikhitha Joy | | Guland | Gulato | Okak | Ouk do | De la | Okto | Wale of | Nuk | Duk | (Dale | DIE |
| 10 | Souparnika Nambiar | 1 | | | | | | 1 | | | | | |
| 11 | Agraja.P | | | | | | | | | | | | |
| 12 | Nirupama Chandran | aprine: | gran. | gioni | apori | gai | anara | apar | Mon | Chai | - | | |
| 13 | Mohammed Ashar.M.M | - | day | Bas | Book | S. | 8 XX | Bust . | Done . | - | | 11 | |
| 14 | Minshija P M | | ALLER | M | May 1 | W. | att. | P | WAR. | My | Alex | AND THE | M. |
| 15 | Karthik.R | | De. | & | & | 8 | Dy. | 9 | D. | D | O. | P | 10 |
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| 18 | Jessna S Kapoor | A Noce | A LANGE | 1000 | - Olys | Se la | A Separate | e Gyros | 1 stoce | Want . | Andre, | Kent | Marione |
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| 19 | Jyothi James | - Common of the | ART. | THE STATE OF THE S | SH. | a the | Sale. | 一种 | and the | | | | - |
| 20 | Akhil Raj T | | | | | | | | | | | | |
| 21 | J.R.Arjun | | James | 200 | April | Am | April | Agos. | Dans | 700 | 94 | 99- | SOAL |
| 22 | Abhinave S | Sia | Der | Abo | Whi. | 1 | 學 | Who have | Jon . | do | 10th | office | di |
| 23 | Sandra Aravind | | S | Surg | Sur | Jack | Soule | Port | Sup | South | The t | In | Sin |
| 24 | Fathimathu Shifa | | | , | | 1 | | - | 1 | / | | | |
| 25 | Krishnakripa G. K. | 146 | Kenter | To S | Karte | 1 The | W. T. | 197 | (a) to | 1 | | | |
| 26 | Anusree Sivan | | Du | Our Contraction | and the | | W | 8 | De V | | | | |
| 27 | K.K. Sukanya | (me | SLAY | Tak | | 9 | and in | The state of the s | المحمدة | man of | Golf And | Gul | A Smile |
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| 19. | Nileena. M | dul- | God | Al | -4 | A | 19 | An 13 | 4 | | | | |







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ATTENDANCE

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| SI.No. | Name of the applicant | FN | AN | FN | AN | FN | AN | FN | AN | FN | AN | FN | AN |
| 1 | Athira.P.V | | | 2 | 1 | 2 | 2 | LX | 0 | 2 | 0 | 20 | X |
| 2 | Sandiptha Rag P | | 300 | MAN TO SERVICE STATE OF THE PARTY OF THE PAR | And and | 8 | Country | | | AD) | (A) | A N | W W |
| 3 | Santo Paul | | SE | 84 | SEE. | Det | | 5/18 | | 82 | 316 | 20 | 3 |
| 4 | Padmanabha Patteri.K.P | | 1000 | Tala | 00 | | a California | 300 | The state of the s | | | Line | |
| 5 | Salvin Saji | The second | | | | | 1 | | | 1 | , | | |
| 6 | Riya.A | | QigA. | Birth. | Birger. | aigh | Righ. | Eraley. | Righ | RATE OF THE PARTY | Righ | Bigh! | Que A |
| 7 | Nandana Rathna | | Mandia | Alanch | Abride | Such | Nandu | March | Mardi | Manda | Monda | Nardu | Non |
| 8 | Neha Mathew | | Meno | Dola. | Desc | Done | della | Mana | <u>Debo.</u> | Note | A. | A Ro | May 1 |
| 9 | Medha.A.P | | 0/ | d/- | 3/- | 01/ | 0/ | 0/ | D. | A | M. | 1 | |
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| 11 | Ayisha | | Auth | M | Met | Alm | 姓 | hat | Asal | M | No | Acc | 100 |
| 12 | Sreelakshmi.P.S | | 2 | 2 | 8 | b | - 8 | 2 | 2 | 2 | 9 | - 2 | 9 |
| 13 | Maya.M | | May | Naya. | Maya | wang | haze. | May! | Mayan | May | may | mays | may |
| 14 | Sushil Thomas David | | SI | 300 | SP | 3 | 39 | 30 | 40 | \$ | 33 | 30 | SE |
| 15 | Alan T John | | | | | | | | | | | | 4 |
| 16 | Nandu Muralidhar | | 1 | . \ | | 2/ | (1) | | 1 | | | | |
| 17 | Aleena Jiji | | Henry | Augri | Helek | Mark | Held | atab | Harty | Au | the | 10 | DW |

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| 27 | Americe K.M | | ela | e de | 2 Ox | -0/ | XOX | 000 | 200 | 900 | 0 | de | |
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LIST OF MENTORS WITH ADDRESS WHO PARTICIPATED & MENTORED IN DST-INSPIRE INTERNSHIP SCIENCE CAMP ORGANISED BY CENTRAL UNIVERSITY OF KERALA, KASARAGOD DURING 26-31 DECEMBER 2017

| SI.No. | Name of the Mentor | Address | Title of the Talk |
|--------|------------------------------------|---|--|
| 1 | Prof.(Dr.) Virender Lal Chopra | Former Director-General –ICAR Former Chancellor Central University of Kerala, Kasaragod | |
| 2 | Prof. S. SivaSubramanian | Former Vice Chancellor Bharathiar University NICHE,TN Email: profssn@hotmail.com | Facets of Nanotechnology |
| 3 | Dr. G. Anilkumar | Senior Professor Shool od Biological Sciences and Technology (SBST) VIT University, Vellore, Tamilnadu Email: gopianilkumar@gmail.com | Biological Rhythms |
| 4 | Prof. T. S. Natarajan | Professor Dept. of Physics IIT, Thirupathi Email: tsniit@iittp.ac.in | Excellence through Experiments-A session with Spectacular Experiments in Physics |
| 5 | Dr. Aswin Sai Narain Seshasayee | Faculty NCBS Bangalore Email: aswinsainarain@gmail.com | Dynamics in Stasis:bacterial adaptation in 'stationary'phase |
| 6 | Dr. A. Vijayakumar | Professor Dept. of Mathematics CUSAT, Cochin Email: vambat@gmail.com | Excitements and challenges in Mathematics |
| 7 | Dr. C. Vijayan | Professor Dept. of Physics IIT, Madras Email: cvijayan@iitm.ac.in | A practice session on Scientific & creative thinking |
| 8 | Dr. A. P. Nandini | Senior Project Officer Teaching- Learning Centre IIT, Madras Email: apnandini@yahoo.com | Visualization and Exploration of Functions |

| 9 | Dr. Kuruvilla Joseph | Dean(Student Activities), Senior Professor Dept. of Chemistry IIST, Trivandrum Email: kjoseph.iist@gmail.com | Nanoscale materials- a boon to society |
|----|----------------------|--|---|
| 10 | Dr. Rajneesh Bhutani | Professor Dept. of Earth Science Pondicherry University Email: rbhutani@gmail.com | We, the humans, in the Earth systems |
| 11 | Dr. K. S. S. Moosath | Professor Dept. of Mathematics IIST, Thiruvanandapuram Email: smoosath@gmail.com | Matrix- An oblong arrangement of terms |
| 12 | Dr. Mahesh Hariharan | Associate Professor Dept. of Chemistry IISER Thiruvanandapuram Email: mahesh@iisertvm.ac.in | Femtosecond Spectroscopy |



Onnovation in Science Pursuit for Onspired Research 2

A National Programme being Implemented by



DEPARTMENT OF SCIENCE & TECHNOLOGY

Government of India

INSPIRE Internship

A Programme motivating Young talents towards Science

2017 DECEMBER 26-31

Organised by



CENTRAL UNIVERSITY OF KERALA

KASARAGOD





Invitation

Dear Colleague,

We are so glad to inform that, 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 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 stage, 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 26-31 December 2017. The venue for the programme is Jawahar Navodaya Vidyalaya, Periya, Kasaragod, Kerala.

The opening ceremony will be on 26th December 2017 at 2 PM with Prof. (Dr.) M. Arunachalam, Head, Department of Animal Science, Central University of Kerala welcoming the gathering and Sri. Vijaya Krishnan K. M., Principal, Jawahar Navodaya Vidyalaya, Kasaragod, delivering the presidential address. Prof. (Dr.) G. Gopa Kumar, Hon'ble Vice-Chancellor, Central University of Kerala, Kasaragod will inaugurate the programme. Dr. M. Muralidharan Nambiar, Controller of Examinations, Central University of Kerala, Prof. (Dr.) Lohn Stephen Moolakkattu, Dean, School of Global studies, Central University of Kerala, Prof. (Dr.) K. P. Suresh, Dean, School of Education, Central University of Kerala, Prof. (Dr.) T. Dennis Thomas, Dean, School of Biological Sciences, Central University of Kerala, will felicitate the programme.

For the closing ceremony, Prof. (Dr.) Virender Lal Chopra, Hon'ble former Chancellor, Central University of Kerala, Kasaragod and former DG, ICAR 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. Shri. A. Y. Reddy, Deputy Commissioner, Navodaya Vidyalaya Samithi, Hyderabad and Dr. Radhakrishnan Nair, Registrar, CUK 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. Pratheesh P.**Joint- Co-ordinator
INSPIRE Science Camp

Dr. Sudha K.

Programme Co-ordinator
INSPIRE Science Camp





2017 December 26 Tuesday

1:00 PM : Registration

2:00 PM - 4:00 PM Opening Ceremony

2:00 PM : Prayer

2:05 PM Welcome Address : **Prof. (Dr.) M. Arunachalam**

Head, Department of Animal Science, Central University of Kerala

2:10 PM Introductory Remarks : Dr. Sudha K.

Programme Co-ordinator, INSPIRE Science Camp

2:15 PM Presidential Address : Sri. Vijaya Krishnan K. M.

Principal,

Jawaĥar Navodaya Vidyalaya, Kasaragod

2:30 PM Inaugural Address : **Prof. (Dr.) G. Gopa Kumar**

Hon'ble Vice Chancellor Central University of Kerala

3:00 PM Key note address : **Prof. (Dr.) S. Sivasubramanian**

Advisor (Research & Development) Vels University, Chennai (Former Vice-Chancellor of Bharathiar &

Noorul Islam Universities)

3:30 PM Felicitations : Dr. M. Muralidharan Nambiar

Controller of Examinations, Central University of Kerala

Prof. (Dr). John Stephen Moolakkattu

Dean, School of Global studies, Central University of Kerala

Prof. (Dr.) K. P. Suresh

Dean, School of Education Central University of Kerala

Prof. (Dr.) T. Dennis Thomas

Dean, School of Biological Sciences, Central University of Kerala

3:55 PM Vote of Thanks : Dr. Pratheesh P.

Joint Co-ordinator, INSPIRE Science Camp

Stage Co-ordination by Dr. Efthikar Ahamed B, Asst. Professor, CUK





4:00 PM - 4:45 PM : *Tea/Coffee Break*

4:45 PM - 5:00 PM Address by Sri. Vijaya Krishnan K. M.

Principal, JNV, Kasaragod

5:00 PM - 6:00 PM : Interactions with **Dr. Umesh K. Sharma**

Scientist, DST, Govt. of India

6:00 PM - 7:00 PM : Ice breaking session

Dr. M. K. Madhusoodanan

Associate Professor, NAM College, Kallikkandy

7:00 PM - 8:00 PM : *Dinner*

2017 December 27 Wednesday

6:00 AM- 6:30 AM : Morning warm up activities

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

8:30 AM- 8:40 AM : Walk with Scholars

9:00 AM - 11:00 AM

SESSION 1.1

Rapporteur : Dr. Gnanavel Soundararajan

Assistant Professor, Dept. of Mathematics

Lecture : Dr. A. Vjayakumar, CUSAT, Cochin

Excitements and Challenges in Mathematics

10:30 AM : Interaction

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

11:30 AM - 1:00 PM

SESSION 1.2

Rapporteur : Dr. S. Anbazhagi

Assistant Professor, Dept. of EVS

Lecture : Dr. S. Sivasubramanian

Vels University, Chennai

Facets of Nanotechnology

12:30 PM : Interaction 1:00 PM - 2:00 PM : *Lanch Break*





2:00 PM - 4.00 PM

SESSION 1.3

Rapporteur

: Dr. E. Prasad Assistant Professor, Dept. of Physics

Lecture

: **Dr. T. S. Natarajan** *IIT, Thirupathi*

Excellence through Experiment - A session with Spectacular Experiments in Physics

3:30 PM : Interaction

4:00 PM - 4:15 PM : *Tea/Coffee Break*

4:15 PM - 5:30 PM

SESSION 1.4

Indoor interaction with Mentors, Teachers of Central Universities of Kerala and Invited School Teachers

5:30 PM - 6:30 PM

SESSION 1.5

Outdoor Interaction with Mentors, Teachers, Research Scholars and INSPIRE Alumni

6:30 PM - 7:00 PM

: Interaction with

Dr. Radhakrishnan Nair

Registrar, Central University of Kerala

7:00 PM - 7:30 PM

: Christmas Celebration Co-ordinated by Dr. Shaini P.

Assistant Professor, CUK

7:30 PM - 8:30 PM 8:30 PM - 9:00 PM : Dinner

: Session for Thinking Process on New Innovative Ideas

Co-ordinated by

- 1) Dr. H. P. Gurushankara Assistant Professor, CUK
- 2) Dr.Gnanavel Soundararajan *Assistant Professor, CUK*
- 3) Dr. T. Thasleema Assistant Professor, CUK
- 4) Dr. Jasmine M. Shah Assistant Professor, CUK





2017 December 28 Thursday

6:00 AM – 6:30 AM : Morning warm up activities

7.30 AM - 8.30 AM : *Breakfast*

8:30 AM – 8:40 AM : Walk with Scholars

9:00 AM - 10:30 AM SESSION 2.1

Rapporteur : Dr. Jasmine M. Shah

Assistant Professor, Dept. of Plant Science

Lecture : Dr. Aswin Sai Narain Seshasayee

NCBS, Bangalore

Dynamics in stasis: bacterial adaptation in 'stationary' phase

10:00 AM : Interaction

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

11:00 AM -12:30 PM SESSION 2.2

Rapporteur : Dr. Deepa Janardanan

Assistant Professor, Dept. of Chemistry

Lecture : Dr. Mahesh Hariharan

IISER, Thiruvananthapuram

Femtosecond Spectroscopy

12:00 PM : Interaction
12: 30 PM- 02: 00 PM : Lanch Break

2:00 PM -3:30 PM SESSION 2.3

Rapporteur : Dr. Sandeep K.

Assistant Professor, Dept. of Geology

Lecture : Dr. S. Srinivasalu

Anna University, Chennai

The Nuances of "Geology - A Creative Science"

2:30 PM : Interaction

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

4:00 PM -5:00 PM SESSION 2.4

Indoor Interaction with Mentors, Teachers, INSPIRE alumni, Research Scholars and P.G students





5:30 PM-7:00 PM

SESSION 2.5

Outdoor Interaction with **Prof. (Dr). G. Gopa Kumar**, Hon'ble Vice Chancellor, Central University of Kerala

7:00 PM -8:00 PM : *Dinner*

8:00 PM- 9:00 PM

: Cultural Programmes by the Participants
Co-ordinated by

1) Dr. H.P. Gurushankara Cultural Programme Co-ordinator

2) Dr. Swapna S. Nair Associate Professor, CUK

2017 December 29 Friday

6:00-6:30 AM : Morning warm up activities

7.30 AM - 8.30 AM : *Breakfast*

8:30 AM- 8:40 AM : Walk with Scholars

09:00 AM-10:30 AM

SESSION 3.1

Rapporteur : Dr. Ali Akbar K.

Assistant Professor, Dept. of Mathematics

Lecture : Dr. K. S. Subrahamanian Moosath

IIST, Thiruvananthapuram

Matrix - An oblong arrangement of terms

10:00 AM : Interaction

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

11:00 AM-12:30 PM

SESSION 3.2

Rapporteur : Dr. M. Bhagiya Lakshmi

Assistant Professor, Dept. of Chemistry

Lecture : Dr. Kuruvilla Joseph

IIST, Thiruvananthapuram

Nanoscale materials – a boon to society

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





2:00 PM - 3:30 PM

SESSION 3.3

Rapporteur

: Dr. Shaini P.

Assistant Professor, Dept. of Mathematics

Lecture

: Dr. Nandini A. P.

IIT. Chennai

Visualization and Exploration of Functions

3:00 PM

: Interaction

3:30 PM -3:45 PM

: Tea/Coffee Break

3:45 PM-5:15 PM

SESSION 3.4

Rapporteur

: Dr. P. M. Aneesh

Assistant Professor, Dept. of Physics

Lecture

: **Dr. C. Vijayan** *IIT. Chennai*

A Practice Session on Scientific and Creative Thinking

5:30 PM-7:00 PM

SESSION 3.5

Indoor/ Outdoor Interaction with Mentors, Teachers, Research Scholars and INSPIRE Alumni

7:00 PM- 8:00 PM

: Dinner

8: 00 PM- 9:00 PM

: Interaction with INSPIRE Alumni and Organizing Committee members

2017 December 30 Saturday

7:00 AM- 8:00 AM

: Breakfast

8:00 AM

: Proceed to Riverside Transit Campus, CUK

for Lab Experiments

9:00 AM -5:00 PM

SESSION 4.1

Laboratory Experiments

General Convener

: Dr. Rajendra Pilankatta

Associate Professor, Dept. of BCMB





Subject

Physical Sciences

Co-ordinators

: Dr. Manikandan Rangaswamy Assistant Professor, Dept. of Mathematics

: Dr. T. Thasleema Assistant Professor, Dept. of Computer Science

: Dr. A. Saktivel Associate Professor, Dept. of Chemistry

: Dr. Swapna S. Nair Associate 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. L. Divya

Assistant Professor, Dept. of Animal Science

Dr. Padmesh P. Pillai

Associate Professor, Dept. of Genomic Science

Earth Sciences

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

Assistant Professor Dept. of EVS

5:00 PM

: Proceed to CUK main Campus, Periya

5:30 PM-7:00 PM

SESSION 4.2

Walk with Mentors, Teachers, Research Scholars and INSPIRE Alumni at CUK main Campus

7:00 PM – 8:00 PM 8:00 PM – 9:00 PM : Dinner

: *Cultural Programmes* by CUK students Co-ordinated by

1) Dr. H. P. Gurushankara Cultural Programme Co-ordinator

2) Dr. Swapna S. Nair Associate Professor, CUK

2017 December 31 Sunday

7:00AM – 7: 45 AM 7:45 AM - 8:10 AM : Breakfast

: Walk with Scholars





8:30 AM -10:00 AM **SESSION 5.1**

Rapporteur : Dr. Sijin Kumar A. V.

Assistant Professor, Dept. of Geology

Lecture : Dr. Rajneesh Bhutani

Pondicherry University

We, the humans, in the Earth System

9:30 AM : Interaction

10:00 AM -11:30 PM SESSION 5.2

Rapporteur : Dr. Ramachandran Kotharambath

Assistant Professor, Dept. of Animal Science

Lecture : Dr. G. Anilkumar

VIT University, Vellore

Biological Rhythms

11:00 AM : Interaction

11:00 AM -11:15 AM : *Tea Break*

11:15 AM -11:45 AM SESSION 5.3

Interaction with Mentors and Panel discussion on 'Prospects of a Career in Science'

11:45 AM - 12:30 PM SESSION 5.4

Interaction : Prof. (Dr.) Virender Lal Chopra

Hon'ble former Chancellor, Central University of Kerala and former DG, ICAR

12:30 PM-1:00 PM : *Lunch Break*

1:00 PM : Proceed to CUK Campus

1:30 PM - 2:00 PM : Session for Group Photo





2:00 PM - 4:00 PM Closing Ceremony

Venue : CUK Campus Multipurpose Hall

2:00 PM : Prayer

2:05 PM Welcome Address : Dr. Rajendra Pilankatta

General Convener (Laboratory Experiments)

INSPIRE Science Camp

2:10 PM Report Presentation : Dr. Pratheesh P.

Joint Co-ordinator, INSPIRE Science Camp

2:20 PM Presidential Address : **Prof. (Dr.) G. Gopa Kumar**

Hon'ble Vice Chancellor, Central University of Kerala

2:30 PM Address by Chief Guest: Prof. (Dr.) Virender Lal Chopra

Hon'ble former Chancellor Central University of Kerala and former DG, ICAR

3:00 PM Address by : Shri. A. Y. Reddy

Deputy Commissioner,

Navodaya Vidyalaya Samithi, Hyderabad

3:10 PM Address by : **Dr. Radhakrishnan Nair**

Registrar, CUK

3:20 PM : Feedback from Participants

3:40 PM : Remarks by Mentors

3.50 PM : Presentation of Memento to the Winners

3:55 PM Vote of Thanks : Dr. Sudha K.

Programme Co-ordinator INSPIRE Science Camp

4:00 PM Certificate Distribution

Stage co-ordination by Dr. Elezebeth Mathews, Asst. Professor, CUK

National Anthem

Tea/Coffee



CENTRAL UNIVERSITY OF KERALA Kasaragod

The Central University of Kerala, Kasaragod, came into being in 2009 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 is globally available, thus maintaining a fruitful, symbiotic relationship with a region that profoundly needs an educational uplift. The University opened its academic portals in October 2009 with 17 students enrolling in two PG programmes that functioned from a rented building at Nayanmarmoola (Vidyanagar). From this modest beginning, CU Kerala has grown into a prestigious institution with eleven schools comprising twenty two departments offering twenty one postgraduate and research programmes and UG programmes with a total enrolment of around 1440 students, in the academic year of 2017-18.

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.







26-31 DECEMBER 2017

DST-INSPIRE INTERNSHIP SCIENCE CAMP: FEEDBACK FROM THE MENTOR

| 1. | Name and Address of the Mentor: Pry T S Naturajan (With e-mail address & Mob. No.) |
|-------|---|
| | 9962609753 |
| 2. 3. | Date of Participation in the Camp: 27/12/2017 Comments about the Infrastructural capacity of the organizing Institute: Very Good |

4. Comments on the boarding and lodging facilities made available:

5. Mentors views on the INSPIRE Internship Camp:

Excellent effort

6. Comments about the interaction with the participating students:

Very lively and interesting

7. Suggestions to further improve the INSPIRE Internship camps:

8. Overall impact of the INSPIRE Internship Camp:

Excellent

Signature of the Mentor







26-31 DECEMBER 2017

DST-INSPIRE INTERNSHIP SCIENCE CAMP: FEEDBACK FROM THE MENTOR

| 1. | Name and Address of the Mentor: (With e-mail address & Mob. No.) | Dr. A. VIJAYAKUMAR |
|----|--|------------------------------|
| | | PROFESSOR, DOPTOF MATH |
| | Date of Participation in the Camp: Comments about the Infrastructural | 208 20 12/2017 (Vijay @cusat |
| | EXCELLENT. | |

4. Comments on the boarding and lodging facilities made available:

EXCELLENT. VERY WELL TAKEN CARE OF

5. Mentors views on the INSPIRE Internship Camp:

I have been a MENTOR Dince 2011. A very sewarding project.

6. Comments about the interaction with the participating students:

Ven good.

7. Suggestions to further improve the INSPIRE Internship camps:

Man extent for 7 days.

8. Overall impact of the INSPIRE Internship Camp:

Excellent.

Signature of the Mentor.







26-31 DECEMBER 2017

DST-INSPIRE INTERNSHIP SCIENCE CAMP: FEEDBACK FROM THE

MENTOR

1. Name and Address of the Mentor: (With e-mail address & Mob. No.) Prof. 8. SIVASUBRA MANIAN
(Fermer VC & Bharachiar & Noonal Islam universities) Advisor ReD, vols University, Channai - 600 117

2. Date of Participation in the Camp:

26 th and 27 th

3. Comments about the Infrastructural capacity of the organizing Institute:

4. Comments on the boarding and lodging facilities made available:

U. grod.

5. Mentors views on the INSPIRE Internship Camp:

Exections

6. Comments about the interaction with the participating students:

7. Suggestions to further improve the INSPIRE Internship camps: Should be in the

university campus itself.

8. Overall impact of the INSPIRE Internship Camp:

1. god -





 Name and Address of the Mentor: (With e-mail address & Mob. No.)

DST- INSPIRE SCIENCE CAMP CENTRAL UNIVERSITY OF KERALA



swin Sai Narain. S

26-31 DECEMBER 2017

DST-INSPIRE INTERNSHIP SCIENCE CAMP: FEEDBACK FROM THE MENTOR

| NUBS, GRYK, |
|---|
| Bellay Rd. Baugelou- 65 Bellay Rd. Baugelou- 65 |
| 2. Date of Participation in the Camp: 27th and 28th 20 Dec 2017. |
| I Commonte about the Introductional commonts, of the appearing a Lastitute. |
| a was your particle impressed by the campus at |
| I was very positively impressed by the campus at |
| Navodaya school. |
| 4. Comments on the boarding and lodging facilities made available: |
| 4. Comments on the boarding and lodging facilities made available: Excellent. It may be better to have accommodation al |
| |
| a walking distance. |
| 5. Mentors views on the INSPIRE Internship Camp: |
| It is a quat distribution. |
| |
| |
| 6. Comments about the interaction with the participating students: |
| The students were they to start with, but warmed |
| up latter vicely. |
| 7. Suggestions to further improve the INSPIRE Internship camps: |
| |
| Maybe have mon lab visits. |
| 8. Overall impact of the INSPIRE Internship Camp: |
| Excellent. 500 It must be comped up to reach |
| more kids. |
| Maco Las |
| \mathcal{A} 0 |
| Herris |
| Signature of the Mentor |
| |







26-31 DECEMBER 2017

DST-INSPIRE INTERNSHIP SCIENCE CAMP: FEEDBACK FROM THE MENTOR

1. Name and Address of the Mentor:

(With e-mail address & Mob. No.)

AHESH HARIHARAN

SHOOL OF CHEMISTRY

TISER-THROVANANTHAPURAM

2. Date of Participation in the Camp: 28/12/2017

3. Comments about the Infrastructural capacity of the organizing Institute:

Overall infrastructure is excellent. Andio dyetem & powerpoint worked in ported way. All the arrangements are made nicely.

4. Comments on the boarding and lodging facilities made available:
Your nice arrangement for dearding and lodging.

5. Mentors views on the INSPIRE Internship Camp:

This is a great program to inspire school kids towards higher education. Memors of diverse expertise give flavour of what are the opportunities available for the equilibration to puroue in the future.

6. Comments about the interaction with the participating students:

Andered are very interactive asking believant questions from the topsic presented by well as the Green opportunities.

7. Suggestions to further improve the INSPIRE Internship camps:

Since more and more and more and more in numbers in different batches.

8. Overall impact of the INSPIRE Internship Camp:

This program will show the effects in the future in terms of excellence from the students who participate in this program.

Malush

Signature of the Mentor







26-31 DECEMBER 2017

DST-INSPIRE INTERNSHIP SCIENCE CAMP: FEEDBACK FROM THE MENTOR

| 1. | Name and Address of the Mentor: 12. S. S. Mooseaths (With e-mail address & Mob. No.) Profusion of Head somewalls of years on 115-7, Therrandtown |
|----|--|
| 2. | Date of Participation in the Camp: 29, (2.17 |
| | Comments about the Infrastructural capacity of the organizing Institute: |
| 4. | Comments on the boarding and lodging facilities made available: |
| 5. | Mentors views on the INSPIRE Internship Camp: Students are very acture and is well planned. |
| 6. | Comments about the interaction with the participating students: students show unterest in leave |
| 7. | Suggestions to further improve the INSPIRE Internship camps: Include group activities with |
| 8. | Overall impact of the INSPIRE Internship Camp: Sumple topics |
| | Well organized and is |
| | ou encouragement for students |
| | Signature of the Mentor 29. 12. 17 |







26-31 DECEMBER 2017

DST-INSPIRE INTERNSHIP SCIENCE CAMP: FEEDBACK FROM THE MENTOR

1. Name and Address of the Mentor: Dr. Kuravilla Joseph (With e-mail address & Mob. No.) Service Professor & Dean

| 11 ST, Valiamola, TUM |
|--|
| 9447366479, Kuravillaciist.acin |
| 2. Date of Participation in the Camp: 29/12/2017 |
| 3. Comments about the Infrastructural capacity of the organizing Institute: |
| Vero Gold |
| 4. Comments on the boarding and lodging facilities made available: |
| Very Gold |
| 5. Mentors views on the INSPIRE Internship Camp: |
| Execularly. |
| 6. Comments about the interaction with the participating students: |
| Brilliant Students |
| 7. Suggestions to further improve the INSPIRE Internship camps: |
| (y Schooled Students can be, given intership programmes at various national justilutes universities 8. Overall impact of the INSPIRE Internship Camp: with attending the followships |
| 8. Overall impact of the INSPIRE Internship Camp: with all santive fullewship |
| Escallert as a follow-of prigram |
| |
| |
| - Signature of the Mentor |
| |
| (2) Follow-up posgonnos should be stoughted |
| |
| |







26-31 DECEMBER 2017

DST-INSPIRE INTERNSHIP SCIENCE CAMP: FEEDBACK FROM THE MENTOR

| . Name and Address of the Mentor: | Da. A.D. NANDINI. |
|-----------------------------------|------------------------|
| (With e-mail address & Mob. No.) | apromodoni @yahoo. cen |
| | 9444176096 |

- 2. Date of Participation in the Camp: 29-12-17
- 3. Comments about the Infrastructural capacity of the organizing Institute: Very good.
- 4. Comments on the boarding and lodging facilities made available:

L-xcellent

5. Mentors views on the INSPIRE Internship Camp:

6. Comments about the interaction with the participating students:

Students are extremely moment

7. Suggestions to further improve the INSPIRE Internship camps:

Sessions oull be more estective for the trustragonts of the number group is divided with 2 or3.

8. Overall impact of the INSPIRE Internship Camp:

Excellent

Signature of the Mentor







26-31 DECEMBER 2017

DST-INSPIRE INTERNSHIP SCIENCE CAMP: FEEDBACK FROM THE MENTOR

| | 1. | Name and Address of the Mentor: (With e-mail address & Mob. No.) |
|---|--|---|
| | | Reigayand iitm-alim |
| | | |
| , | 2 | Date of Participation in the Camp: 29 (1) 17 9445749881 |
| | | Comments about the Infrastructural capacity of the organizing Institute: |
| | | |
| | | Very good. |
| | | |
| 3 | 4. Comments on the boarding and lodging facilities made available: | |
| | | Excellent |
| | | |
| | 5. | Mentors views on the INSPIRE Internship Camp: |
| | | very nikely organized |
| | | Mentors views on the INSPIRE Internship Camp: very nikely organized in Spite of the large number |
| | 6. | Comments about the interaction with the participating students: |
| | | The level of intercoloron was very good |
| | | 4000000 |
| | 7. | Suggestions to further improve the INSPIRE Internship camps: |
| | | Overall impact of the INSPIRE Internship Camp: Perhaps have duplicate survivors with half the number for beller effectivers Considerations and the Inspire and the survivors with the survivors and the Inspire and the survivors |
| | 0 | half the number Her |
| - | 8. | Overall impact of the INSPIRE Internship Camp: Letter effectives |
| | | Exclent. |
| | | |
| | | \mathcal{O} |
| | | Ling |
| | | Signature of the Mentor (C- VIJAM AN) |
| | | (C- M24.1., 2 |







26-31 DECEMBER 2017

DST-INSPIRE INTERNSHIP SCIENCE CAMP: FEEDBACK FROM THE **MENTOR**

| 1. Name and Address of the Mentor: (With e-mail address & Mob. No.) Putson |
|--|
| School of Browning and Technoly UIT, Vellore |
| School of Boshuins and Technoly VIT, Wellowe 2. Date of Participation in the Camp: 30/12/2017 and 31/2 632014 3. Comments about the Infrastructural capacity of the organizing Institute: 12017 |
| good fault tes to hold such a camp. |
| 4. Comments on the boarding and lodging facilities made available: |
| 9600 |
| 5. Mentors views on the INSPIRE Internship Camp: |
| This is an excellent poentine to enough |
| 6. Comments about the interaction with the participating students: Shadults from |
| 6. Comments about the interaction with the participating students: |
| Needs imprement. Strudents Simal statis of dich |
| Sund come toward for at more distriction. |
| 7. Suggestions to further improve the INSPIRE Internship camps: |
| men not be ever the states should also be windlind; |
| 8. Overall impact of the INSPIRE Internship Camp: for of the Camps. |
| I have a charing shout he science |
| I have quat impussion about the Science Caup CINSPIRE), the may it was conducted. |
| Camp (INSTIRE), the many to and hu fearn |
| D. Sndher, the Co-Schulder |
| A. Sndher, the Co-ordinator and hu tearn discree Congrabulations. Signature of the Mentor |
| A |
| to duy. |
| PIF The state of t |
| |









26-31 DECEMBER 2017

DST-INSPIRE INTERNSHIP SCIENCE CAMP: FEEDBACK FROM THE MENTOR

| 1. | And reduces of the Mentor. | |
|----|--|-----------------------------------|
| 2. | Date of Participation in the Communication | rbhutan @ gmaid. com, 944363642 L |

- 2. Date of Participation in the Camp: 29-31 Dec. 2017
- 3. Comments about the Infrastructural capacity of the organizing Institute:

 All required infrastructural capacity of the organizing Institute:
- 4. Comments on the boarding and lodging facilities made available: Excellent

| 5. Mentors views on the INSPIRE Internship Camp: |
|--|
| This is an important activity and I believe That |
| le take up bank science, at least in core & a few stedents |
| Students were quity forthermine and of the alumnit |
| Students were quits forthorning and interactive of the tonogram. |
| 7. Suggestions to further improve the INSPIRE Internship camps: |
| organizers have taken man many images the At to l'h |
| group interactions with mentors, walk with mentors. It might be 8. Overall impact of the INSPIRE Internship Company of a could be a like a like and the second of the INSPIRE Internship Company of a could be a like a lik |
| 8. Overall impact of the INSPIRE Internship Camp: a good idea to let the students |
| Overall, I think, a student have some formal interaction |
| participant would have been have some formal interaction |
| going back with some enriching Les |
| experience. |
| Signature of the Mentor |





15 15

26-31 DECEMBER 2017

INSPIRE INTERNSHIP SCIENCE CAMP: FEEDBACK FORM FOR STUDENT

1. Name and Address of the student:

(With their school name, e-mail address & Mob. No.)

Ameutha Priya K.T., Karuvannothu Thottathil, Koonathara PO ST. Therese HSS, Shoranus. 8943994629, 7034417548 eshylanais agmail.com

2. Comments about the Infrastructural capacity of the organizing Institute:

Good, sufficient impartenetural facilities.

3. Comments on the boarding and lodging facilities made available:

Non confusing, good boarding & lodging facilities. Actually, the stay in hostel really taught us to save water, not to waste it

4. Comments about the payment of Travelling cost to the participating students:

5. Comments on the interactive talks delivered by the Mentors:

Interactive section was nice! We all got chances to talk and interact with monitors. Even they were ready to answer silly questions.

LOUR WALL PROPORTION INSPIRE COMPA

out who bloods it was sight

- 6. Comments on the practical/hands on experience:

 Yreat experience, because we saw so many interesting
 things, that we may not see in one entire life. They show
 us a glimpse of what me will do, if me take or choose
 different fields.
- 7. Student views on the INSPIRE Internship Camp:

 Sife changing camp. INSPIRE Camp really created a

 confusion in my mind, what to choose for future. Now I have
 a variety of career options to thought of
- 8. Comments on the scientific discussion with the Mentors:

 Mentors gove us somany threads of thoughts for thinking.

 They gave overall information about every field
- 9. Suggestions to further improvement of the INSPIRE Internship camp:
 of think all coordinates have tried their maximum to make this camp best. Also Camp was also a success. My sugestion is that you guys should continue organizing camps, because other students should also mant to get this oppertunity like that me got.
- 10. Overall impact of the INSPIRE Internship Camp:

The impact of INSPIRE Camp was very huge. It have really helped in creating so many thoughts in my mind about different career option. I would really like to be a part of inspire programmes. Hope I would get more chances to be a part I thank all of them for selecting me.

Signature of the Syudent Sudha mam, love you so much. You are really an inspiring sole model. The character that I like about Sudha mam is her 'dimplicity'.

LOVE this inspiring INSPIRE camp. Thank you.





C5 6

CENTRAL UNIVERSITY OF KERALA

26-31 DECEMBER 2017

INSPIRE INTERNSHIP SCIENCE CAMP: FEEDBACK FORM FOR STUDENT

| 1. Name and Address of the student: A 15 w AR YA-M (With their school name, e-mail address & Mob. No.) |
|--|
| K.V. No.1 CPCRI Kasaraged . school Address = K.V. No.1 CPCRI, Po Kudlu K.S.I |
| email = aiswaryakuksd@gmail.com. |
| Mobin 9447265721 9495536981. |
| Mob = 9447365721, 9495536981. 2. Comments about the Infrastructural capacity of the organizing Institute: |
| Introductural capacity was good But the students as |
| the back could not actively involve in the sessions |
| O man to |
| due to large no - of students. |
| entering the fragment property provides from the second |

3. Comments on the boarding and lodging facilities made available:

It was good. The tag proveded proved very efficient. 30 that

we would not miss the bag.

Hostel facilities were quite good. except the availability of the water.

4. Comments about the payment of Travelling cost to the participating students:

2ts a very good idea. Students could affect for a precess camp.

5. Comments on the interactive talks delivered by the Mentors:

2t was good. Even we were able to personally approach

the eminent personalities.

The teachers really motivated us. They gove us the right direction

6. Comments on the practical/hands on experience:
The practicals were interesting we could visualise many things
But the only problem was, the groups were large. So one
group had many members - so, we couldn't see the experiments
clearly.

7. Student views on the INSPIRE Internship Camp:

INSPIRE internship camp was really good we the students got the correct quidance into the field of science. We got quidance into the field of science. We got quidance into the field of hersonalities and interact with them.

8. Comments on the scientific discussion with the Mentors:

It was good. I could gather many extra knowledge is science. See topics like mandechnology, femtosecond spectroscopy was new to me. But now lan familias with knowl topics

9. Suggestions to further improvement of the INSPIRE Internship camp:

· class could have done like some group will present something · group wise activities could also have been Encluded - excupairs the practicals should have been clone by the stidents.

10. Overall impact of the INSPIRE Internship Camp:

Got inspired. Got more Enformations is the field of Science.
I also got back ideas in the the field of Science.
INSPIRE Internship comp has improved my knowledge of Science.

Tended undertand the various field in grience.

Signature of the Student







155

26-31 DECEMBER 2017

INSPIRE INTERNSHIP SCIENCE CAMP: FEEDBACK FORM FOR STUDENT

1. Name and Address of the student:

(With their school name, e-mail address & Mob. No.)

Alshwarya K.P

Mappikingad house (PO) Panayal, (via) Bekal, Kararagod.

CHSS chattanchal

Mob No: 9544768224

2. Comments about the Infrastructural capacity of the organizing Institute:

The whole INSPIRE even inculcated new excitements of science in each individual we are gratitude to participate in this residential camp hosted by central university of Kerala. The programme implemented by DST results only insuccess because of the presence of well planned, and proper hospitality.

3. Comments on the boarding and lodging facilities made available:

The TNV took the initiative to implement the boarding and loadging facilities. Eventhough there was only less availability of water at some extent, we adjusted it Moreover we realised that we must struggle to lead a successful life.

4. Comments about the payment of Travelling cost to the participating students:

My house situates nearby itself. So travelling cost was not a problem.

5. Comments on the interactive talks delivered by the Mentors:
The mentors interacted with us effectively. Thereby we realised the significance of various science fields and related terms. We cleared our doubts too.

- 6. Comments on the practical/hands on experience:

 We visited various departments of cuk. We met with research scholars of respective departments. We realised new technologies and its significance.
- 7. Student views on the INSPIRE Internship Camp:
 The INSPIRE' Residential camp really moulded our character effectively. The camp has able to inculcate scientific thoughts in us to fix my goal and carrier.
- 8. Comments on the scientific discussion with the Mentors:
 The different sessions about various subjects helped us to know more about it. We realised the unknown terms. The mentors taught to scopes of each field to be taken as our carrier. The title itself reveals that it is too inspiring.
- 9. Suggestions to further improvement of the INSPIRE Internship camp:
 According to my view, it is better to a have a subject on entrance test practise and other exemajor exams.
- The camp helped me to mingle with new friends. The interaction and discussion with mentors helped to increase interaction and discussion with mentors helped to increase knowledge about unfamiliar topics. The camp nurtured us by providing moral qualities as to be scientific.

Signature of the Student





C9 4

26-31 DECEMBER 2017

INSPIRE INTERNSHIP SCIENCE CAMP: FEEDBACK FORM FOR STUDENT

| Name and Address of the student: (With their school name, e-mail address & Mob. No.) | Shayath | Raghavan |
|---|---------|---|
| Jawahay Navodaya Vide Periye, Kasasqod. | yalaya | Madathil (H), . Achickanam P.O., Aanand hash |
| Crowil- Sharath ong 5 @ gmail. 2. Comments about the Infrastructural capacity of the org | | - another (via). Pin 1871-3316X ute: |

The hostel stay was really good, and It was all good.

3. Comments on the boarding and lodging facilities made available:

Best in cleaniness and well managed.

4. Comments about the payment of Travelling cost to the participating students:

5. Comments on the interactive talks delivered by the Mentors:

Resour fonce ful and colors informative.

6. Comments on the practical/hands on experience:

On My experience with the lab facilities in the CUL campus, the practical session was extremly good and dead driven me with curiosity.

7. Student views on the INSPIRE Internship Camp:

The coump is really nice. The organising was that good and all the volunteers were really good.

8. Comments on the scientific discussion with the Mentors:

Most of the question was answered and they thought up about the opportunities awaiting for us in the field of sevence.

9. Suggestions to further improvement of the INSPIRE Internship camp:
Sevence field trip could have been included.

10. Overall impact of the INSPIRE Internship Camp:
The bost scronce Camp I have ever been part of Memorable.

Signature of the Student







C4 6

26-31 DECEMBER 2017

INSPIRE INTERNSHIP SCIENCE CAMP: FEEDBACK FORM FOR STUDENT

1. Name and Address of the student: Airwarya · B. Pradeep.

(With their school name, e-mail address & Mob. No.)

K. V. No. 2 CPCRI, Kasaragod · - ,

Mobile no. - 96 33 78 9190.

2. Comments about the Infrastructural capacity of the organizing Institute:

The infrastructural on capacity was spellbound. The los projectors on the either side made sure that the slides are visible to all. The way everything was organized was in a seally bound comfortable manner.

3. Comments on the boarding and lodging facilities made available:

The boarding and bodging facilities provided on the very first and last days of the camp were really a well managed one It was really systematic. The lodging facilities were better than what was shought of we had a comfortable stay.

4. Comments about the payment of Travelling cost to the participating students:

First of all, the camp was conducted free of cost for

Every students. The only expenditure was of the transport.

Now, it is also being provided to the participatry students

So, I think it was every helpful for those who dark access
to more enough money.

5. Comments on the interactive talks delivered by the Mentors:

The interactive talks delivered were really interesting. It was

everwhelming to know many unasswered questions

theat stayed in our minds. The mentars were really

open minded and known kind enough to share

all the informations.

Comments on the practical/hands on experience:

The practical sessions were good enough but there was lack of time to veiw all the laborataries and experiment. The facilities were pretty good and we had a nice time with the mentors.

7. Student views on the INSPIRE Internship Camp:

INSPIRE Internship camp has really made me ask questions on even small things that happen et change in personality, curronly have also arisen in me. It was, in total an informative, innovative and impuring camp. 8. Comments on the scientific discussion with the Mentors:

The science discussion with menters were very informative. It has sually another the sense of scientific skills in us. It was really fantastic to find out the different career ofthing provided in the science field.

9. Suggestions to further improvement of the INSPIRE Internship camp:

The camp was vieally an inspiring one. Some suggestions are that, not to ask such suggestions. Because I found Everything well up to the mark. The food, domedeines, interacting sessions.

10. Overall impact of the INSPIRE Internship Camp:

It has really inspired me a lot. It has made me bliong enough to stick on to my career or ambition. I got a lot of information, which I am sure that will help me a lot in feture. I thank everyone, including God because I significant got such an opportunity.







26-31 DECEMBER 2017

INSPIRE INTERNSHIP SCIENCE CAMP: FEEDBACK FORM FOR STUDENT

1. Name and Address of the student:

(With their school name, e-mail address & Mob. No.)

Arundhathi Padmanabhan,

INV Periye, Kasaragod

asundhathiadithyan 2000 @g mail, com, Mob - 9497057838 2. Comments about the Infrastructural capacity of the organizing Institute:

It was fine, the washrooms, desmitories were hygienic. The water was just released on in specific given timings and at some point of the camp days, it created have among the students, but water scarcity is indeed a problem in these regions.

3. Comments on the boarding and lodging facilities made available:

As described alcone

4. Comments about the payment of Travelling cost to the participating students: H's a good activity, coz many students have spaced their cheistmas celebration ger harbelling purposes. So valueing their sincerity 1

5. Comments on the interactive talks delivered by the Mentors:

Speaking about the interactive sessions, I was girl who walked in with many questions, now at the end of the camp I am the same gal who walks out with many consuers Very exuberating pleasureful sessions and decisions. Very active. But missed an interactive session with Dx kuruvila.

6. Comments on the practical/hands on experience:

Good & Enteresting & theilling experience. invokes curiosity in us.

7. Student views on the INSPIRE Internship Camp:

An essential, apt lest Camp, I he exper participated. It could mould a student.

8. Comments on the scientific discussion with the Mentors:

Ma, it could answer many of our wonderful questions.

9. Suggestions to further improvement of the INSPIRE Internship camp:

Jepics like Space Science could be introduced. In the initial

special of selection, you could ask for selected students ambilians

and so i sessions could be planned like wise according to

the popular interest. Session would include competitions (scientific)

4 tatlast it would be end with some inspirational victors videos.

10. Overall impact of the INSPIRE Internship Camp:

Changed for better

A Great Esposure, indeed excellent.

Signature of the Student









26-31 DECEMBER 2017

INSPIRE INTERNSHIP SCIENCE CAMP: FEEDBACK FORM FOR STUDENT

1. Name and Address of the student: Ananya Ganesh.c
(With their school name, e-mail address & Mob. No.)

GLOVE. BOLEMBER HSS., Thalassery geneshanc @ gmail. com

9447684496

2. Comments about the Infrastructural capacity of the organizing Institute:

I did not get any discomposit. It was good.

3. Comments on the boarding and lodging facilities made available:

The lodging facilities made at TNV was good. But we felt water scarcity. On the first true days it was very difficult then I touid to adjust with it. Now I am ox with my accompatation.

4. Comments about the payment of Travelling cost to the participating students:

It is a very good method because structures it will be beneficial for students coming from loverger distances

5. Comments on the interactive talks delivered by the Mentors:

Every tacks aware sceally inspiring. Reporte of home improved a lot after Coming here.

6. Comments on the practical/hands on experience:

The most interesting one of was the paractical session. The visualisation of many theories made us easy to understand the Concepts.

7. Student views on the INSPIRE Internship Camp:

It was seally appreciable. Many students across kerala including me, have got an accurate aim about their buture. I leavened many important things after Coming here.

8. Comments on the scientific discussion with the Mentors:

After the scientific discussions with Mentages 9 became more interested lowards the world of Science.

9. Suggestions to further improvement of the INSPIRE Internship camp:

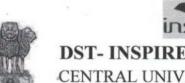
The only one thing that I felt was that, the Volunteurs Should provide us with phone at the night to Call our parents. But they gave their phone on the next morning to Call our parents. It was good.

10. Overall impact of the INSPIRE Internship Camp:

golden oppostunity for me to get-interacted with many eminent Brientists, research secholars and the student all across kereala.

Signature of the Student

Aufge





C7 23

26-31 DECEMBER 2017

INSPIRE INTERNSHIP SCIENCE CAMP: FEEDBACK FORM FOR STUDENT

1. Name and Address of the student:

(With their school name, e-mail address & Mob. No.)

NK. Mahitha

Januahas Navodaya Yidyalaya Periye Kasaragod manjumahitha 123@gmail. com. 9746353917

2. Comments about the Infrastructural capacity of the organizing Institute:

The contral University of Kerala (core), organising sostilute had made the camp very cornfortably and it was conducted in a ordered way.

3. Comments on the boarding and lodging facilities made available:

The lodging facilities were very good. They had made all the arrangement before the arrival of the students.

4. Comments about the payment of Travelling cost to the participating students:

5. Comments on the interactive talks delivered by the Mentors:

The suderaction with different mendors were very enellent and were very effective. It had deaned many of our questions about various things.

6. Comments on the practial/hands on experience:

The pradical session was a different experience. It was very entiting and well arranged.

7. Student views on the INSPIRE Internship Camp:

Ve could Porteract with many resource person and got let of Enformation which will be very useful in the future.

8. Comments on the scientific discussion with the Mentors:

a lot of information about the scientific things.

H was very effective, interesting.

9. Suggestions to further improvement of the INSPIRE Internship camp:

The Camp was good.

10. Overall impact of the INSPIRE Internship Camp:

Abled to get lot of information about various aspects of Scientific field. Got lot of information about various science related premies institutes and different courses and get enough opportunities to infract with many resource person from Various part of the contray. Signature of the Student



26-31 DECEMBER 2017

INSPIRE INTERNSHIP SCIENCE CAMP: FEEDBACK FORM FOR STUDENT

Name and Address of the student: (With their school name, e-mail address & Mob. No.)

N

NANDANA RATHNA

ANAND BHAVEN

P.O KOYYAM

KANNUR

GHSS KOYYAM, KANNUR

9495126254

2. Comments about the Infrastructural capacity of the organizing Institute:

good infrastructural capacity except water.

3. Comments on the boarding and lodging facilities made available:

From lodging facilities the water is less only less available.
Other facilities are made available good with comfortable

4. Comments about the payment of Travelling cost to the participating students:

From Thalipavamba to kanhagadu I spend 41 Rs. and from there to perige, JNV we come through the auto.

5. Comments on the interactive talks delivered by the Mentors: It is a very good experience and gave many ideas of science.

- 6. Comments on the practical/hands on experience: Experience has a good hands on their camp.
- 7. Student views on the INSPIRE Internship Camp: It was really a sinspiring camp

 that gave as many of innerations,

 and evidens and experience.
- 8. Comments on the scientific discussion with the Mentors: The discussion with mentors clear the doubts of us about.
- 9. Suggestions to further improvement of the INSPIRE Internship camp: The water from the ladge is easy one and only one problem we faced this camp. Otherwise this was carop has not any false
 - we could understand the different department of science and we could met many of highly known persons.

Signature of the Student









26-31 DECEMBER 2017

INSPIRE INTERNSHIP SCIENCE CAMP: FEEDBACK FORM FOR STUDENT

1. Name and Address of the student: Ananya Ganesh.c
(With their school name, e-mail address & Mob. No.)

GLOVE. BOLEMBER HSS., Thalassery geneshanc @ gmail. com

9447684496

2. Comments about the Infrastructural capacity of the organizing Institute:

I did not get any discomposit. It was good.

3. Comments on the boarding and lodging facilities made available:

The lodging facilities made at TNV was good. But we felt water scarcity. On the first true days it was very difficult then I touid to adjust with it. Now I am ox with my accompatation.

4. Comments about the payment of Travelling cost to the participating students:

It is a very good method because structures it will be beneficial for students coming from loverger distances

5. Comments on the interactive talks delivered by the Mentors:

Every tacks aware sceally inspiring. Reporte of home improved a lot after Coming here.

6. Comments on the practical/hands on experience:

The most interesting one of was the paractical session. The visualisation of many theories made us easy to understand the Concepts.

7. Student views on the INSPIRE Internship Camp:

It was seally appreciable. Many students across kerala including me, have got an accurate aim about their buture. I leavened many important things after Coming here.

8. Comments on the scientific discussion with the Mentors:

After the scientific discussions with Mentages 9 became more interested lowards the world of Science.

9. Suggestions to further improvement of the INSPIRE Internship camp:

Should provide us with phone at the night to Call our parents. But they gave their phone on the next moring to Call our parents. It was good.

It made many impact on my life. It was really an golden opposituaity for me to get-interacted with many eminent Scientists, research scholars and the student all across kereala.

Signature of the Student

Aufge





26-31 DECEMBER 2017

INSPIRE INTERNSHIP SCIENCE CAMP: FEEDBACK FORM FOR STUDENT

1. Name and Address of the student:

(With their school name, e-mail address & Mob. No.): - Nikhitha Goy, 210 Goy Joseph N, Alatippata (H), Kappumkara, Azhikode (S), Kannur, 640009.

(horrea Higher Alcondary School, Chorrea, Kannur.

nikhithagoy 10@ gmail. cora.

97404387025, 9605073598.

2. Comments about the Infrastructural capacity of the organizing Institute: Junfrastructural capacity of many so mice.

capacity of organizing institute was of many so mice.

**Explicially our notunteers and the master of brain our established with a fablicious fragram.

- 3. Comments on the boarding and lodging facilities made available: I'm not comfortable with hostel facilities. Especially enertes. Some teimes we rould not both. It was four main problem. But the other fecilities are ignored and one cour could adjust with all other fecilities. Sund food. was new clasty. I doned it.
- 4. Comments about the payment of Travelling cost to the participating students: To me It was a small high amount screenise Aly Journey was in bus. So kannus (Azhikode) to Kasargod (peringe)
- 5. Comments on the interactive talks delivered by the Mentors: I dike it. It was so exseque Especially I dike the class of Dr. Kunwik foreth. But I died onot get a chance ito interact act with him. He had one itime ito unteract with us. I felt so sad. And all others are really very good.

6. Comments on the practical/hands on experience: Laboratary visiting could make exitement in my mild I doved this section. Especially dremistry and physics. And The an request that You would include a sky observation dession. Lecause do many students a core hese, culo corese unterest un space 7. Student views on the INSPIRE Internship Camp: The mo cuands to this wamp It was a fabulous unpersence in my life. I was so said about way lack of confidence. But this coamp could agine the confidence. Alau I'm suie that I can achieble ony goal 8. Comments on the scientific discussion with the Mentors: The discussion could change any small unind. It cuas nery cisefed. I build know about any dream campus 11st and so many other campus alanotechnology idass was good, I could realise that the selence is an amazing thing. It's so evendesful 9. Suggestions to further improvement of the INSPIRE Internship camp: 1 think the His wamp is wan wear the crown of can neleat camp. It was an another API abdul Kalam. Diecause of the anotivation words of Profeesess. Dut ly me have an sky observation sossion, It will creach the high position of camps. 10. Overall impact of the INSPIRE Internship Camp: In really equally to our suella miss. Every electures are accessome very useful. This camp how change my dife, senery one's clife. And there will always geel the winfluence of this camp in our doube future





5 14

26-31 DECEMBER 2017

INSPIRE INTERNSHIP SCIENCE CAMP: FEEDBACK FORM FOR STUDENT

1. Name and Address of the student: Aavany V-Babu, Po Babu VG, Velluparambil (H).

(With their school name, e-mail address & Mob. No.) Kazhuvilangu, P.O. Mathibakam, Thrissur.

school - 455 Parangad email address - vgbabuvg@gmail.com.

Mab. No - 9447673330

2. Comments about the Infrastructural capacity of the organizing Institute:

Infastructural capacity is good the auditorium actorium actorium actorium accommedate l'As students very comfortably. And the mess also was good.

3. Comments on the boarding and lodging facilities made available:

The dormetories were clear and ned . But the number of washeroons were less and the water was available only on some specific time in washeroons.

4. Comments about the payment of Travelling cost to the participating students:

Payment of travelling cost is going in a good way. There is no need to change the mode of payment of travelling costs

5. Comments on the interactive talks delivered by the Mentors:

It was very informative sessions the experiences of the mentods make us motivated us. Though this sessions we could solve out doubts.

6. Comments on the practical/hands on experience: If was the most interesting session to the inspire camp. It atthacts one mind to science especially the chemistry practical. We could know about many machiness using for the experiments. All the kacher's explained well about the experiment.

7. Student views on the INSPIRE Internship Camp: If attacts every science streme students to the science. And help us to take a decision about future. It gives a wooderful experience and the students can explore the science in this camp.

8. Comments on the scientific discussion with the Mentors:

It was very informative. They solve our doubts through the sciendific phenomenons. They also add more knowledge with our answer. They also teach us to analyse a problem.

9. Suggestions to further improvement of the INSPIRE Internship camp:

Inspire is a very good camp for children. I think logidging facilities should be improve more. And the sessions with physics were comparitively less. So have to include more physics sessions. And if the lab sessions divide into all days it would be more effective 10. Overall impact of the INSPIRE Internship Camp:

and comfortable

We all are attracted to the study of science by this camp. It is marphelous and effective camp that can be given to a student. The program should be continue also in coming year also.

Signature of the Student









26-31 DECEMBER 2017

INSPIRE INTERNSHIP SCIENCE CAMP: FEEDBACK FORM FOR STUDENT

1. Name and Address of the student: Ananya Ganesh.c
(With their school name, e-mail address & Mob. No.)

GLOVE. BOLEMBER HSS., Thalassery geneshanc @ gmail. com

9447684496

2. Comments about the Infrastructural capacity of the organizing Institute:

I did not get any discomposit. It was good.

3. Comments on the boarding and lodging facilities made available:

The lodging facilities made at TNV was good. But we felt water scarcity. On the first true days it was very difficult then I touid to adjust with it. Now I am ox with my accompatation.

4. Comments about the payment of Travelling cost to the participating students:

It is a very good method because structures it will be beneficial for students coming from loverger distances

5. Comments on the interactive talks delivered by the Mentors:

Every tacks aware sceally inspiring. Reporte of home improved a lot after Coming here.

6. Comments on the practical/hands on experience:

The most interesting one of was the paractical session. The visualisation of many theories made us easy to understand the Concepts.

7. Student views on the INSPIRE Internship Camp:

It was seally appreciable. Many students across kerala including me, have got an accurate aim about their buture. I leavened many important things after Coming here.

8. Comments on the scientific discussion with the Mentors:

After the scientific discussions with Mentages 9 became more interested lowards the world of Science.

9. Suggestions to further improvement of the INSPIRE Internship camp:

Should provide us with phone at the night to Call our parents. But they gave their phone on the next moring to Call our parents. It was good.

It made many impact on my life. It was really an golden opposituaity for me to get-interacted with many eminent Scientists, research scholars and the student all across kereala.

Signature of the Student

Aufge

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

2. Date/Duration of the INSPIRE Internship Camp: 26-31 December 2017

3. Number of participating INSPIRE Interns: 156

| 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 | | 22 | | 48 | 86 | | | |
| 2 | Boarding and lodging facilities | | | 46 | 60 | 50 | | | |
| 3 | Payment of Travelling cost | | | 84 | 72 | | | | |
| 4 | Interactive talks & Discussion with the mentors | | | 0.1 | 24 | 132 | | | |
| 5 | Hands on experience | | | 32 | 80 | 44 | | | |
| 6 | Suggestions to further improve the INSPIRE Internship camps: Camp V1817 by DST officerals would have freak impact and would have freak impact and also much inspiration not only also much inspiration and also to the institution and also to the pastreipants. | | | | | | | | |

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

Dr. SUDHA. K
Associate Professor, Department of Animal Science
School of Biological Science
Central University of Kerala
Riverside Transit Campus, Padannakkad
Kasaragod, Nileshwar 671314, Kerala, India

RECYCLING AND PROCESSING OF WASTE TO CONSERVE RESOURCE

"Where there is cleanliness, there is god himself."
- Mahatura Grandhi.

"India is the world's second most populous countrymith million of people living in the ration and muscal areas. Being a developing country with large population, one can winagine the quantity of waste produced daily. These include both organic and morganic highly tonic waste, sevage, toilet, agricultural, plastic wastes, wastes from refineries and highly tonic wastes including hospital wastes, batteries et. Hanagement of threse wastes is a very difficult problem as apart from the Cooperation and Muhaipality, these wastes aren't collected mostly. So must people litter these waste in quadrido and oppose places. Hanagement of those wastes is the need of the hour as munerous diseases spread during nainy seasons because of threse wastes.

Though the government has founded numerous programs like "Swatch Bharat Abhiyan", there need to be miste to manyunent of the wastes. The most important part is there should be somebody to collect these wastes from the people. In kerala, "Kndrimbashree" has been very successful in collecting the wastes from the houses of people all around. They need to collect the organic cleaved and dried by the people, broken glaves, leather after which eve neatly. The organic wastes including both food waste and other fallen leaves can be made into manure. These manure can be produced by small enlargements and can be supplied to the farmers of people in need for low costs. For these setting up such small business, initially the government must provide supposet. Both the cotton, jute and polyester doths can be made into reusable bags which can be used for shopping. These can be produced calledricly by the people and sold at enhibitions. Also very hapful maltrials like baskets, decorative flowers and waste, fundaday, fhoto frames, toys and other decorative items can be mode from plattic bottles and other plastic materials and sold at enhibitions. Hat,

netal wester can be collected and sent for necycling. These can be either done individually of collecturely. Also motal electrodes can be removed from batteries /electric cells and send for recycling.

There is a process called Pyrolysis. Pyrolysis is a process in which the waste materials plu old wood (promiture), leather, mubber tyres ste are heated at high temperature beyond their melting and bey chemical processes are housed in firels. Though this set up is initially a tid bit rostly, but we can easily manage the wastes like mubber, leather etc, old furnitur/wood etc.

But the care should be taken that all these wester sent should be neat and dean. Recycling is the last option. The most important is to reduce. Then to reuse and at last to recycle. Recycling faltories can be set up by individuals of collectricity. For enample in withirly in Calicut, & a young enterpreneur has set up a plastic recycling factory. It collects the waste plastic wasts from Kindmindshope and englichers and recycles which will fetch him & 30 per packet of recycled plastics.

Another initiative can also be taken. This is a very important concept. We should bring such a system that total one should increase the cost of all plattic them by a small amount of \$500 € 10. Then the people should be viged to return these plastic wastes neatly to other shopkeepers of people collecting these wastes. At that time for each con plastic commodity the person should be returned the entra money. Also the person collecting these should get some small amount of \$2 to \$3. Fin will ensure people will no longer through away waster. Also waste tanks with small opening for disposing only plastic waster should be installed at every city which can be drained to avoid robbery.

But also other factories producing different things can be appreciated and provided some privilege it they take their waster which are produced from their products like packets, wrappers of.

electrical wastes can also be sent for recycling and the wires and small equipments can be used to make decoratine warms at home.

The most important thing is that me are enspossable for our

NAME: ANUSREE N SCHOOL: KENDRIVA VIDYALAYA No.1, CALICUT. POBIL No: C3/21

- . As bricks: Fill clayey soll in equal sized old plastic bottles cut at the ends in the form of cylinders. After filling the dayey soil, arrange them in the found brich one above the other and plaster with mud. This technique can be used in house Hent constructed for short period of time.
 - · Old used cotton in hospitals. Clean properly the cotton used in hospitals reatly. Voy nead much care to be taken in properly cleaning the used cotton. Then use them to fill the bed cots (loft bef cots) and sofa setties.

· In one dress materials, there are not materials (in churidaesete:)

Smitch them together and use as mosquito not.

· use old used juice straws in chemical laboratories for taking the chemicals from onical flashs in place of new glass straues.

· Use your water used for deaning and washing vessels in home garden than

fresh water.

- · Hodify the ruled fine straits by shortening their see diameter by cutting them and making them small and fin a nil at the one end. Then modify a to used normal strawas pen's body aster small produciations. Pens can be made from waste materials.
- · Grunde nicely old newspaper sheets ruing water. After they form a vice paste spread them with same width applying some gum of Their allow them to dry. You cardboard is really and use them as your clip board after fixing the · New furnitures can be made from old. Take the old but strong wooden particles and use them to make new furnitures.

· waste management; Increase the amount of plastics from inital amount by & 8 to \$10. Then people should be returned to return them when they return from, that should be returned back. This can prement the theoring of plastics on enuertiment.

ANAGHA. S. GIREESH KENDRIYA VIDYALAYA OTTAPALAM.

ROLL NO: C1/15. RECYCLING AND PROCESSING TO CONSERVE RESOURCES Waste management is one of the major possessent centusy. With the increase in wibanssation, the amount of wastes generated are increasing day by day. This is yposing a peroblem both for the nature and mankind. It's high time we find a solution to this major threat. The 3 R's - Reuse' Reduse' and Recycle age one of the best ways to towart non-brodeguadable wastes such as plastics. The desposal of plastic bags and bottles in votes bodies are causing a major threat to the aquatic organisms living there. By boinging a stop to this, we can make a donastic change in the yoursent situation. The use of waste Bins which separates the nonbiodegoradable wastes from the degradable ones can be used to minimise its effect. with the help of sensons, we yearfectly identify the non-degradable wastes such as plastics and in turn recycle them into useful poroducts. These viewcled

poroducts can be again viewed and in this way we can weduce the amount of yplastics disposed in the envisionment. Mnother way to vierycle the non-blodegoradable wastes is by making new products with them for crafts and showcasing proposes. The plastic bags and bottles can be treated and onecycled to create new pooducts. The process of landfilling with a more developed technology can be used to treat a major amount of wastes. At home, we can oreduce the amount of wastes generated by proper treatment The "Bo-gas plant" can be installed in and orecycling of products. every home to dispose degradable wastes and in tuoin generate electricity with it. This is not just a waste management method but also an energy conservation one. Water toreatment plans are also a good way to treat waste water. The wastewater forom Ritchen, washowoms etc can be toreated with appropriate methods and can be occused for vaulous other purposes. The vermi-compost plant is another methalous step. With the use of natural bio-degraders, we can process waste and this perocessed waste can be intuen used as manure for agriculture.

ANAGHA . S . GIREESH KENDRIYA VIDYALAYA OTTAPALAM.

RECYCLING, PROCESSING OF \$ C1/15. WASTE RESOURCES. To oreduce the amount of non-blodeguadable waste such as plastic get accumulated in our surroundings, we can build a

completely automatic viecycling machine. * In this machine, we can dispose all our

household wastes.

* At the opening of the disposal acrea, it should have a sensing mechanism to differentiate between the biodegradable and non-biodegradable upastes.

using appropriate methods and the manual formed could be teransported to the soil for againcultural puriposes. * The bro-degradable wastes should be treated * At the top of the disposal Bin, there

should be an ultrasonic sensor. This ultrasonic sensor should be connected to a circuit and attached to the lid of the bin so that, when the bin is full, the altrasonic sensor detects the

ypriesence of objects at the top and automatically closes the lid. This can be ypriogrammed using an anduino.

* The non-blodeguadable wastes collected should be * The non-broategerality and should be treated estentifically and should be orecycled into new useful products.

* When one broategerality and should be products.

* When one broategerality and useful products.

* When one broategerality and should be products.

* When one broategerality and useful products.

* When one broategerality and should be products.

* The non-blodegradable materials collected can also be towated and made into useful raw materials that could be given to the factories to

Kendriya Vidyalaya Payyanwr C4/22

This is a very striking topic for today's modern of fast growing of running India. Recycling is very se essential for word or an essential process to which we have to put our mind on Eq think deeply. As our life is changing so rapidly in every second, we saw are minning behind every new technologies, eve ve to emerge with new Ideas. Ideas that are innovable to this society. Innovative itself give us a the picture that it is beneficial for the society. Such a big problem is PLASTIC. Processing plastic, mea or recycling plastic doesn't create a solution for the society. We've to vanish the word plastic of to have to think of a substitule for it. Such a stight Pls the time to think up act. Food Introduction of such a biodegradable polymer from pseudo stem of banana nould really change # of the position of plastic from our daily life. As the pseudo stem of banana is nich in Libres there will be strong bond between the fibres. By treating it with a strong base vilce NaOH, the bond can be loosened and it with would become more flexible. The To some extent it can substitute plastic. As there are several items made of plastic of this new polymer or a form of polymer can substitute plantie

be used as a the carrying bags, etc...

But our challenge lies in making it like span qualir as it is a biodegradable, plant extract it may have face some challenges.

Also by processing several waster such as thermocols, plastics, types, etc. we may get a i.e by mixing these and grinding it up then after heating at a very high temperature, we can would get a polymer to substitute which can be used as in many industries for machine parts.

As India is in the blist of developing countries with many younty minds with & sparking innovative ideas, that in within a kew years we can assure the Indians that it would reach in the list of developed countries by prouning wastes up by sucycling our was valuable resources.

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RECYCLING PROCESSING OF WASTE RESOURCES.

Ani. K. Raghavan K.v. payyanur C4/22

It has been found that in large scale plantation acreas pseudo stem of banana is wasting at a high rate.

Also the glastic waste up plastic has been a very major issue to be solved.

Such a solution is over invention ELOPLASTICUS. ELOPLASTICUS' itself give us a îdea that it is related to plastic.

The procedure is, boil the pseudo stem of banana about an hour and strain the waler out. Grind it up mix with NaOH so that the lignocellulosic bond the preudo stem is loosened so as to make it flexible like plastic. Dipping in NaOH must be at upto 2 hours. This is then paned into roller which can flathen it into a sheet up then it dried in bright run light for only one day. This can be dyed using natural dyes the glike trumeric, bestroot, his cinth, this came of at this waling. To some extent it can substitute plastic like phone cover, table cloth, carry bags et....

Our aim was to irradicali plastic from out society of male it plastic free nation.

This Ecope Asticus' can be made transparent translucent by breating it with 4,0, (hydrogen penonicle).

(Applied for patent)



RECYCLING & PROCESSING OF WASTE TO CONSERVE RESOURCES

MEDHA-FI-P K.V. PAYYANUR C7/q

Rengeling just dashes own mind by putting up the 4Ks essential for life. But recycling is not just about plastic recycling. Many researches as well as tests are running in its recycling in which rusing it in tarring is quite interesting. When wasidering the Environment as a film the main villain is PLASTIC, but a key role is also played by thermocol. Alwhol is the solvent for it. I I newspaper attain about the harms of thermound put switched on a light in mo which had for its investigation. It was observed that thermocol when dipped in åtrik acil (orange peels in water) could come my with sobre which can be further developmented to Sabric. Biodegradable waste we now no matter of concern as biogas plant are common nowa-days. Now-a-days the science fairs one almost filled with peel innovations. Many fruit jeels such as orange, bankura have really turned out to be a substitute to plastic. Treating them with tess polluting chemicals were allowed by the react with it The paloer of these peels would also be used by water purification. to react purification.

Wive done a project in which we made plastic from

Wive done a project in which we made plastic from

banava etem of was successful in making useful items

banava etem banava pseudostem when treated with NaOH sol.

out of the banava pseudostem when treated with NaOH sol.

out of the banava step of making it transparent was grusing

out of the cheapty available H2O2 sol.

Twentury of many sensors & other nuclei items from

Jensentury of many sensors & other nuclei items from

There materials is not sufficient. The common man

there materials is now to unware of the Sahwologies we've. Trangeling something is not an sewete or dience to be brought for science fairs (PERSONAL DPINION) It is all about implementing as using it in the refit sense. I think that's the reason why we Indians lay back OPERSONAL OPINION). I hope the We can bring a change here.

RECYCLING, PROCESSING OF WASTE RESOURCES

Medha. A.P K.V.PATYANUR C7/9

In many plantation areas where there is overuse of fertilisers, the banana pseudostem which is normally used for consumption can't be used.

We developed a polymer moing the banana pseudostem which can be a substitute to plastic to a limit. Its banana pseudostem is be a substitute to plastic to a limit. Its banana pseudostem is it in fibres the polymer thus formed will be strong.

PROCEDURE

The steamed banana escudostem is dropped of grindad.

This sharry is disped in NaOH sol.

The thus obtained mixture is flattened out.

After drying that can be brought out.

After drying that can be brought out.

I plastic like, flexible, resistant to water of inextensible skeet is obtained.

WHX NAOH & a strong alkali, it has the capacity to loosen Its NaOH & a strong alkali, it has the capacity to loosen the ligno cellulosic bond between the fibrer which makes it so. The ligno cellulosic bond between the fibrer which makes it so. Dut the best result was. Dut the best result was obtained using NAOH

Am To MAKE IT TRANSPARENT
We have been currosly translucent by dipping it in 40 translucent by dipping it in 40 22 801. (20% vol.).

DYES USED

We've used turnerin, bestroot, water lilly rhizome as dyes.

By this innovation the plastic waste can be reduced as well as
the natural plant resources that 9s a waste can be used
effutively

We've named this material as 'ECOPLASTICUS',

Our next aim to is to try mixing it with other fibres.

(We've applied for patent) and it is the first that he is

a fine the polyment that formed and the

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CENTRAL UNIVERSITY OF KERALA

Brief Report of the DST-INSPIRE Science Camp 26-31 December 2017

Students' residential camp for skill development.

Inspire Internship Science Camp hosted by Central University of Kerala, Kasaragod, held from 26 December 2017 to 31 December 2017 was attended by 175 students from 99 schools (shortlisted from a total of 832 eligible applications from 124 schools) across the length and breadth of Kerala) and 15 invited school teachers and 12 INSPIRE alumni. The camp became the venue for fruitful interactions between reputed scientists and young talents.

Prof. (Dr.) G. Gopa Kumar, Hon'ble Vice-Chancellor, Central University of Kerala, opened the programme on 26 December 2017. In inaugural speech, Prof. (Dr.) G. Gopa Kumar highlighted the importance of science in the economic growth of the country and the need for utilizing scientific research for the uplift of weaker section of our society. Shri. Vijayakumar K.M. Jawahar Navodaya Vidyalaya, Kasaragod presided over the function. Welcome address was delivered by Prof. (Dr.) M.Arunachalam, Head, Department of Animal Science, Central University of Kerala. Dr. Sudha K, Associate Professor in Animal Science, delivered the introductory remarks on the programme. Prof. S. Sivasubramanian from Vels University, Chennai, in his keynote address, remarked that "it is only through such Science camps that we can develop scientific temper in the minds of young India with which we can secure the future of our nation." Prof. (Dr.) K.P. Suresh, Dean, School of Education, Central University of Kerala highlighted the significance of studies and research in the field of basic sciences during his felicitation address. Dr. Pratheesh P., proposed the vote of Thanks.

A well designed and well facilitated Ice breaking session arranged in the evening helped the participants to bond together more quickly.

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.

The mentors included a galaxy of 13 scientists and academicians from reputed national institutions such as Indian Institute of Technology, Madras, Indian Institute of Technology, Tirupati, Indian Institute for Space Science and Technology, Thiruvananthapuram, Institute of Interdisciplinary Science Education and Research, Thiruvananthapuram, Vels University, Chennai, Vellore Institute of Technology, Vellore, Pondicherry Central University, Pondicherry, and Cochin University of Science and Technology, Kochi and Central University of Kerala who inculcated the spirit of scientific research through their inspiring interactions with participants. The programme was also blessed with the presence of Padmabhushan Prof. (Dr.) Virender Lal Chopra, the Hon'ble Chancellor, Central University of Kerala and the renowned plant scientist who shared his experiences, challenges and endeavors with the young minds during his interaction with the participants. 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 sessions (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 thought that

transacted 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.

In the lecture on the topic 'Excitements and Challenges in Mathematics', on 27th December 2017, Dr. A. Vijayakumar, CUSAT, Kochi explained the unexpected applications of mathematics in different areas like space mission, medical sciences etc. The session gave valuable insight on the fact that Mathematics is omnipresent.

'Facets of Nanotechnology' by Prof. S. Sivasubramanian (Vels University, Chennai) introduced Nanochemistry and the technology of building useful things by nanomaterials to the students. In the lecture he stressed the different behavioral patterns of nanomaterials, their forms, preparation, mechanisms, and applications. The lecture was followed by 'Excellence through experiment: A session with spectacular Experiments in Physics' by Dr. T.S. Natarajan (IIT, Tirupati), a journey from the early fundamental experiments to the most modern discoveries and chances in Physics. He inculcated scientific interest in the students discussing the basic concepts of Physics through experimental demonstrations.

When bacteria run out of nutrients, they enter 'stationary phase', during which the size of the bacterial population remains constant, except during brief bursts of excess cell death. However, this phase is in fact very dynamic, with waves of variant bacteria rising and falling. Dr. Aswin Sai Narain Seshasayee introduced this exciting phenomenon during his talk "Dynamics in stasis: bacterial adaptation in stationary phase" on 28th December 2017. Several biological events, that include vision and photosynthesis, occur in ultrafast timescale. Scientists from various disciplines have collectively worked over several decades to

understand such processes in chemical and biological systems. In the talk on 'Femtosecond Spectroscopy' Dr. Mahesh Hariharan (IISER, Thiruvanathapuram) explained various spectroscopic measurements to understand some fundamental reactions in chemistry and biology.

The scientific session on 29 December 2017 opened with Dr. K.S. Subrahamanian Moosath's (IIST, Trivandrum) talk on 'Matrix- An Oblong Arrangement of Terms' where he discussed various developments regarding matrices and determinants and the ways in which available tools might shape the development of that mathematical idea and the types of informal and intuitive ways that students might conceptualize that idea. Dr. Kuruvilla Joseph (IIST, Trivandrum) in his talk 'Nanoscale materials – a boon to society' gave a follow up of the lecture by Dr. S. Sivasubramanian stressing on the 'bottom up and top down methods' in nanosciences and the wide range of its applications.

'Visualization and Exploration of Functions' by Dr. A.P. Nandini (IIT, Chennai) sensed that students regard Mathematics as a tough and abstract subject at higher levels because they are unable to visualize and relate the newer and abstract concepts to practical applications. In her lecture she introduced the art and science of visualization of functions, limits and continuity, simple and effective open software to the students which enables them to experiment and explore the concepts clearly. Dr.C. Vijayan (IIT, Chennai) through his talk 'A Practice Session on Scientific and Creative Thinking' induced the students the idea that logical thinking alone cannot help a scientist but unconventional thinking as well should. Curiosity and creative thinking should always remain. The session provided several examples, stories, puzzles and paradoxes to introduce innovative and unconventional ways of thinking.

'We, The Humans, in the Earth System' by Dr. Rajneesh Bhutani (Pondicherry University) on 31st December 2017 led an investigation

into the working of nature. The lecture discussed the irrecoverable alterations made by humans in the earth system, the Anthropocene – age of humans and how it threatens human existence. The talk 'Biological Rhythms' by Dr. G. Anilkumar (VIT, Vellore) gave an interesting explanation to the question – Why do we sleep at night? He discussed about circadian rhythms, the past and recent researches regarding the seasonal changes in the body of organisms, and their synchronization with external factors.

Apart from science talks. the there Laboratory were experiments/demonstrations involving 10 science laboratories including Mathematics, Computer Science, Chemistry, Physics, Biochemistry, Molecular Biology, Plant Science, Animal Science, Genomic science, Geology and Environmental Science thanks to the meticulous preparation and dedicated efforts of Dr. Rajendra Pilankatta, General Convener (Laboratory Experiments) and Practical co-ordinators Padmesh P. Pillai, Dr. Swapna S. Nair, Dr. Manikandan Rangaswamy, Dr. T. Thasleema, Dr. A. Sakthivel, Dr. V.B. Sameer Kumar, Dr. Jasmine M. Shah, Dr. L. Divya, , Dr. Sijin Kumar A.V. and Dr. Rishiram Ramanan and their associates.

Interactive indoor sessions involving 3-4 external mentors and faculties of Central University of Kerala were also active at the end of each day's scientific sessions. In the evening, seven groups of participants were formed and each group was facilitated for outdoor interaction with the group of External and Internal Mentors. In the outdoor interaction arranged on 28th December with Prof. (Dr.) G. Gopa Kumar, Hon'ble Vice Chancellor, Central University of Kerala and the renowned social scientist, the students involved in active and long discussion on the challenges faced by the educational system in India.

During the session for Thinking Process on New innovative ideas, on 27 December, all participants prepared a write up on the topic "Recycling and processing of waste to conserve Resources" and all were evaluated meticulously. The best three write ups were selected for prizes thanks to the dedicated efforts of the session co-ordinators Dr. H.P. Gurushankara, Dr. Gnanavel Soundararajan, Dr. T. Thasleema, and Dr. Jasmine M. Shah, Assistant Professors, CUK. During the camp days 15 minutes (8.30am – 8.40am) was spared for *Walk with Scholars* where the students had informal interaction with faculty members and research scholars of Central University of Kerala, and Inspire alumni.

Participants happily celebrated the Christmas with Prof. (Dr.) G. Gopa Kumar, Hon'ble Vice-Chancellor, Central University of Kerala, on 27th Mentors and fraternity of CUK and INSPIRE alumni December 2017. Dr. Shaini P, Assistant Professor in Mathematics, CUK delivered the Christmas message. Sessions were also active with morning warm up activities, walk with Scholar, and evening cultural events by the CUK students thanks to the genuine efforts of Coordinators Dr. Shaini P and H.P.Gurushankara, Assistant Professors and Dr. Swapna S. Nair, Associate Professor, CUK. Informal interactions at the sidelines of the program as those during the coffee breaks and lunch hours enabled smooth networking of the participants with the Mentors. The participating students involved in productive discussion, one of the perceptible success index of the programme. Students were also provided with a platform to express their extra-curricular talents.

The valedictory function on 31 December 2017 was presided over by Prof (Dr) Gopa Kumar, Hon'ble Vice Chancellor, Central University of Kerala. The chief guest of the ceremony was Padmabhushan Prof (Dr). Virender Lal Chopra, Hon'ble Chancellor, Central University of Kerala and the renowned plant scientist. Dr. Radhakrishnan Nair, Registrar,

Central University of Kerala addressed the gathering with his pleasant and inspiring speech. The welcome address was delivered by Dr. Rajendra Pilankatta, Associate Professor in Biochemistry and Molecular Biology. The camp report was presented by Dr. Pratheesh P. Assistant Professor in Geology and Joint Co-ordinator, INSPIRE Science camp. 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.'