

## DEPARTMENTAL EVENTS

### I. SESSION 2016-17

#### 1. 9-10<sup>th</sup> March 2017: Two days workshop on Bioinformatics (Dept. Of Biotechnology & Sai Bioinfosys, Nagpur)

**Report:** A 2 days workshop on 'BIOINFORMATICS' was organized in the department of biotechnology in collaboration of 'Sai Bioinfosys Bioinformatics Research Centre', Nagpur on 9<sup>th</sup>, and 10<sup>th</sup> March, 2017. All the members of the Society of Biotechnology (M.Sc. previous and final students) have participated in the workshop, besides Research Scholars of the department have also actively participated. The inaugural session of the workshop was presided by the Principal of the college in Vivekananda Hall on 9<sup>th</sup> March at 11am and the valedictory session was solemnized on 10<sup>th</sup> March at 4pm.

The purpose of the workshop was to meet the demand of industry for absorption of students. So it was direct industrial training to students. Under the 3 days workshop following themes were covered-

- Data Analysis, Comparison and Retrieval
- FASTA and BLAST
- Restriction Digestion Mapping
- Plasmid Designing
- Protein Modeling.



2. On 18<sup>th</sup> November, 2016: Sickle Cell Anaemia Testing Camp at Govt. Higher Secondary School, Thanod, Durg (306 samples): 7 Samples were found Sickle positive (2.28%). Follow up was done for positive samples and 3ml of blood sample was again taken with the help of trained lab technician.

**Participants:**

Ekta Singh, Lohit raj Shivwanshi, Rajeshwari Prabha Lahre, Jitendra Kumar Jhariya, Kamal Kishor Rajak, Yagya Dutt Mishra, Vivek Ratre, Niranjana, Purushottam Lahre, Hemant Sahu, Akhilesh Upadhyay, Vesh Kumar Deshmukh.



### 3. Sickle Cell Anemia, Blood Group & G-6PD Testing Camp

On 10<sup>th</sup> December, 2016: A Sickle Cell Anaemia Testing Camp was organized by the Dept. of Biotechnology at Jamgaon R Patan (309 samples). 31 samples were found sickle positive (10.032%). Follow up was done for positive samples and 3ml of blood sample was again taken with the help of trained lab technician:

#### Participants:

Ekta Singh, Lohit raj Shivwanshi, Rajeshwari Prabha Lahre, Jitendra Kumar Jhariya, Kamal Kishor Rajak, Yagya Dutt Mishra, Vivek Ratre, Niranjana, Purushottam Lahre, Hemant Sahu, Akhilesh Upadhyay, Vesh Kumar Deshmukh.



**4. December, 2016: Sickle Cell Anaemia Testing Camp at Govt. Higher Secondary School, Belaudi, Durg. (210 samples). 7 samples were found sickle positive (3.33%). Follow up was done for positive samples and 3ml of blood sample was again taken with the help of trained lab technician:**

**Participants:**

Ekta Singh, Lohit raj Shivwanshi, Rajeshwari Prabha Lahre, Jitendra Kumar Jhariya, Akansha Singh, Kamal Narayan Joshi, Ygya Dutt Mishra, Vivek Ratre, Niranjana, Purushottam Lahre, Rashmi Shukla, Yaminee Dubey, Sagar Barle, Akhilesh Upadhyay.



**5. 27<sup>th</sup> January, 2017: Sickle Cell Anaemia Testing Camp at Gram Panchayat Khanda (Durg). (175 samples). Out of 175 samples tested 10 were found sickle positive (5.71%)**

**Participants:**

Ekta Singh, Lohit raj Shivwanshi, Rajeshwari Prabha Lahre, Jitendra Kumar Jhariya, Akansha Singh, Kamal Narayan Joshi, Ygya Dutt Mishra, Vivek Ratre, Niranjana, Purushottam Lahre, Rashmi Shukla, Yaminee Dubey, Sagar Barle, Akhilesh Upadhyay.



6. 2<sup>nd</sup> February, 2017, Sickle Cell Anaemia and G-6PD Testing Camp at Govt. Digvijay College, Rajnandgaon (63 samples). Out of 63 samples, 8 samples were tested positive (12.69%) and 0 samples tested positive for G-6PD.

**Participants:**

Ekta Singh, Lohit raj Shivwanshi, Rajeshwari Prabha Lahre, Jitendra Kumar Jhariya, Akansha Singh, Kamal Narayan Joshi, Ygya Dutt Mishra, Vivek Ratre, Niranjana, Purushottam Lahre, Rashmi Shukla.



**7. 18<sup>th</sup> February, 2017, Sickle Cell Anaemia Testing Camp at Govt. H.S. School, Ambagarh Cowki,; Sickle Cell Anaemia, G-6PD & Blood Group Testing Camp, (170 samples).**

**Participants:**

Ekta Singh, Lohit raj Shivwanshi, Rajeshwari Prabha Lahre, Jitendra Kumar Jhariya, Akansha Singh, Kamal Narayan Joshi, Ygya Dutt Mishra, Vivek Ratre, Niranjana, Purushottam Lahre, Rashmi Shukla, Yaminee Dubey, Sagar Barle, Akhilesh Upadhyay.



## II SESSION 2017-18

### 1. 28<sup>th</sup> December, 2017 to 11<sup>th</sup> January, 2018: SAS Programming on Clinical Research, (Jointly Dept. Of Biotechnology & Venue Analytics, Kolkata)

**Report:** Between 28<sup>th</sup> December, 2017 and 11<sup>th</sup> January, 2018, a two weeks workshop was organized by the Department of Biotechnology in association with Venues Analytics, Kolkata for PG Students of Biotechnology. All the members of the Society of Biotechnology (M.Sc. previous and final students) have participated in the workshop, besides Research Scholars of the department have also actively participated. The inaugural session of the workshop was presided by the Principal of the College at Dr. APJ Abdul Kalam Hall at 11:30 am followed by a series of technical sessions of the workshop. During the workshop, the proprietor of Venus Analytics, Kolkata, Mr. Premanjan Biswas has delivered several lectures and hands on sessions on various topics related to SAS Programming for clinical research. Followings are the topics covered during the two weeks long workshop-

- The Base SAS Programming Language.
- Two Parts of SAS Program
- Data Step's built-in Loop.
- SAS Windowing Environment- Windows & Commands
- Submitting Program in SAS Windowing Environment.
- Reading SAS Log.
- Viewing Results in Output Window.
- Creating HTML Output.
- SAS data libraries
- Viewing SAS data file in view table window
- Viewing properties of data sets with SAS explorer
- Application of SAS in clinical data management and healthcare
- Methods of getting data into SAS
- Data import and export using SAS
- Reading raw data separated by spaces - list input
- Reading raw data arranged in columns - column input
- Reading raw data not in standard format - formatted input
- Selected informats
- Mixing input style
- Reading messy raw data
- Reading multiple lines of raw data per observation
- Reading multiple observations per line of raw data
- Reading part of a raw data file
- Controlling input with options in the INFILE statement
- Reading delimited files with the data step
- Temporary versus permanent SAS data sets
- Retain and sum statement
- SAS character functions
- SAS numeric functions
- SAS date and time functions
- IF THEN ELSE logic
- Using boolean logic
- Where statement
- Do loop and do group
- Introduction to macro statement
- Introduction to PROC SQL
- Concept of CDISC , SDTM , ADaM and TLF

On 11<sup>th</sup> of January, 2018, a test has been taken for the student to evaluate their knowledge about SAS Programming Language and grading were given to the students on an 10 point CGPA scale. Valedictory session was also presided by the Principal of the College and certificates were issued to all the participants.





2. 12<sup>th</sup> September, 2017, Sickle Cell Anaemia, G-6PD & Blood Group Testing Camp at Village, Ghongha (Kawardha), by Dept. of Biotech., Govt. V.Y.T.PG. Auo. College, Durg (174 samples).

**Participants:**

Ekta Singh, Lohit raj Shivwanshi, Rajeshwari Prabha Lahre, Jitendra Kumar Jhariya, Akansha Singh, Kamal Narayan Joshi, Ygya Dutt Mishra, Vivek Ratre, Niranjana, Purushottam Lahre, Rashmi Shukla, Yaminee Dubey, Sagar Barle, Akhilesh Upadhyay.



3. 20<sup>th</sup> November , 2017, Sickle Cell Anaemia, G-6PD & Blood Group Testing Camp at Govt. L.C.S. College, Ambagah Chowki, by Dept. of Biotech., Govt. V.Y.T.PG. Auo. College, Durg (79samples)

**Participants:**

Ekta Singh, Lohit raj Shivwanshi, Rajeshwari Prabha Lahre, Jitendra Kumar Jhariya, Akansha Singh, Kamal Narayan Joshi, Ygya Dutt Mishra, Vivek Ratre, Niranjana, Purushottam Lahre, Rashmi Shukla, Bhupendra Kumar.





4. 22<sup>nd</sup> November, 2017, Sickle Cell Anaemia, G-6PD & Blood Group Testing Camp at Village: Sonsaytola, Ambagarh Chowki, by Dept. of Biotech., Govt. V.Y.T.PG. Auto. College, Durg (201samples).

**Participants:**

Ekta Singh, Lohit raj Shivwanshi, Rajeshwari Prabha Lahre, Jitendra Kumar Jhariya, Akansha Singh, Kamal Narayan Joshi, Ygya Dutt Mishra, Vivek Ratre, Niranjana, Purushottam Lahre, Rashmi Shukla.



**5. 16<sup>th</sup> February, 2018: One day Workshop on RT-PCR for M.Sc. Biotechnology Students, in collaboration with Himedia Laboratories PVT. Ltd.**

**Report:** On 16<sup>th</sup> February, 2018 a one day workshop was organized by the department for the M.Sc. Students in collaboration of Himedia Laboratories Pvt. Ltd., Mumbai, on Real Time PCR and Gradient type Polymerase Chain Reaction. Workshop was conducted under Supervision of HOD of Department of Biotechnology, Dr. Anil Kumar and under expertise of Mr. Abhishek Wanjari (Technical Sales Manager, Himedia Laboratories) and his Technical Assistant. All the members of the Society of Biotechnology (M.Sc. previous and final students) have participated in the workshop, along with Research Scholars of the department.



### III SESSION 2018-19

1. **16<sup>th</sup> July, 2018: Sickle Cell Anaemia, G-6PD & Blood Group Testing Camp at Village, Bijepar, Chhuriya, Rajnandgaon Sickle Cell Anaemia, G-6PD & Blood Group Testing Camp of the college,by Dept. of Biotech., Govt. V.Y.T.PG. Auto. College, Durg (105 samples).**

#### **Participants:**

Ekta Singh, Lohit raj Shivwanshi, Somendra Kumar, Dinesh Kumar, Motiram Sahu, Rashmi Shukla, Yaminee Dubey, Sukritee Thakur, Bhupendra Kumar.



2. **18-19, 2019: Symposia on Current Status of Environment, Human and Plant Health, with Special Reference to Chhattisgarh. Under Science Popularization Programme of Hemchand Yadav Vishwavidyalaya, Durg and Chhattisgarh Council of Science & Technology, Raipur.**

#### **Participants :**

1. Shirin Anawar ( M.Sc. Final, Biotech.) –Anchoring of Programme.
2. Annu Baghel ( M.Sc. Final, Biotech.) – Hospitality & Welcome Party
3. Preeti Chandarkar ( M.Sc. Final, Biotech.) – Hospitality & Welcome Party.
4. Suryansh Sengar, Nilesh Gawre, Shubham Guddhe (M.Sc. Final, Biotech.)- Poster Presentation Competition.
5. Lokesh Chauhan, Hemant Kumar, Megha Verma, Jayati Shrivastava (M.Sc. Previous, Biotech.)- Poster Presentation Competition (1<sup>st</sup> Prize).
6. Bhagwat Puri, Rupali Sahare, Hemant Rajput, Shubhra Sinha (M.Sc. Previous, Biotech.)- Poster Presentation Competition (2<sup>nd</sup> Prize).
7. Kritika Dewangan – Oral Presentation (1<sup>st</sup> Prize –Students Section).
8. Ekta Singh (Research Scholar, Biotechnology) – Oral Presentation (1<sup>st</sup> Prize- Research Scholars Section).
9. Lohitraj Shivwanshi (Research Scholar, Biotechnology) – Oral Presentation (2<sup>nd</sup> Prize- Research Scholars Section).

**Report:**









**3. 25-26 February, 2019: Workshop on Crisper/Cas-9 Technology, Jointly Organized by IIT, Kharagpur & Dept. Of Biotechnology & Dept. Of Botany.**

**Report:**

A two days hands on training workshop between February 25 and 26, 2019, was organized by E-Cell of IIT Kharagpur (WB) under Make Intern Programme, in association with The Department of Biotechnology and The Department of Botany Govt. V.Y.T.PG. Autonomous College, Durg, on CRISPER/Cas-9 Technology. The workshop included four technical sessions besides an Inaugural and Valedictory Session. The inaugural session was presided by the Principal In-Charge, Dr.M. A. Siddiqui, in presence of Mr. HardeepSingh Puri, Director Makeintern.com, Mr. Anand Jawade, Overall Coordinator, E-Cell, IIT Kharagpur, Dr. Anil Kumar, HOD, Dept. of Biotechnology, HOD, Dr. Ranjana Shrivastava, Dept. of Botany, besides all the faculty members, research scholars and PG students of both the departments of the College. During the workshop, students learned about theoretical, and practical/Technical aspects of CRISPER gene editing Technology and how it can be applied as a new Biotechnological Tool for making various recombinants and for the treatment of genetic and chronic ailments. On 26<sup>th</sup>, Feb., 2019, the valedictory session was presided by Dr. Anil Kumar and Dr. Ranjana Shrivastava, in which certificates were distributed to all the participants, followed by a positive feedback from the participants. At the end of the programme, vote of thanks was given by Dr. Shweta Pandey.



#### IV SESSION 2019-20

1. 15<sup>th</sup> September, 2019: Sickle Cell Anaemia, G-6PD & Blood Group Testing Camp of Govt. V.Y.T.PG. Auo. College, Durg college, at Dept. of Biotechnology (158 samples):

#### Participants:

Somendra Kumar, Dinesh Kumar, Motiram Sahu, Suryansh Sengar, Monika Yadav, Alka Manikpuri, Kritika Dewangan, NileshGawre, Tanmay Biswas.



2. 10<sup>th</sup> to 12<sup>th</sup> February, 2020: 3 days workshop on DNA Barcoding (Jointly organized by ATG Lab, Pune & Dept. Of Biotechnology).

A three days workshop was organized between 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> of February, 2020, at the Dept. of Biotechnology on DNA Barcoding Technology, in collaboration with ATG Lab, Pune. The inaugural session of the workshop was presided by the Principal In-Charge, Dr. M.A. Siddiqui at Dr. APJ Abdul Kalam Hall on 10<sup>th</sup> February, 2020 at 11:30am, followed by six technical sessions during the 3 days workshop by Dr. Devendra Lingojar and his associates from ATG Lab, Pune. Participants included all the members of the Society of Biotechnology (M.Sc. previous and final students), besides Research Scholars of the department have also actively participated. Students have learned about the Bar coding for insect, amphibian and Plant genomes. On 12<sup>th</sup> February, 2019, the valedictory session was again presided by the Principal In-Charge, Dr. M.A. Siddiqui at Dr. APJ Abdul Kalam Hall at 3:00pm. Certificates were distributed followed by feedback from the participants and vote of thanks from Dr. Nikhil, Mishra.



## V SESSION 2020-21

### 6. 3<sup>rd</sup> – 9<sup>th</sup> May, 2021, National E-Workshop on Intellectual Property Right

From 3<sup>rd</sup> – 9<sup>th</sup> May, 2021, our department had organized a National E-Workshop on Intellectual Property Right for students as well as faculty members, in association with Internal Quality Assurance Cell of the College, and Coordination Cell of Chhattisgarh Council of Science and Technology, Raipur on Trade Related aspect of the Intellectual Property Rights (TRIPS) of world Trade Organization (WTO). Following themes for wider discussion, in the 7 days workshop were–

- Copy right and related rights
- Trademarks
- Geographical Indication
- Industrial design
- Patents
- Layout–designs(topographic)of Integrated Circuits
- Undisclosed Information (Trade Secretes)
- Control of Anti-Competitive Practices in Contractual Licenses

The registration link for the online workshop was, <https://forms.gle/eQj3FvpYZfhmcmFF9>. and the workshop was organized with the meeting link of Microsoft team; <https://teams.microsoft.com/l/meetup->

[join/19%3ameeting\\_MTg5ZTUzYmItN2Y3NC00MjgxLWFjNTYtYjRjNzk1MjMxZTcx%40thread.v2/0?context=%7b%22Tid%22%3a%2269f4555c-5a0c-4b65-b816-867bc8d5f0ac%22%2c%22Oid%22%3a%22245c0c05-eec6-413d-82d0-78b3...](https://teams.microsoft.com/join/19%3ameeting_MTg5ZTUzYmItN2Y3NC00MjgxLWFjNTYtYjRjNzk1MjMxZTcx%40thread.v2/0?context=%7b%22Tid%22%3a%2269f4555c-5a0c-4b65-b816-867bc8d5f0ac%22%2c%22Oid%22%3a%22245c0c05-eec6-413d-82d0-78b3...)

The webinar was started at 2:00pm on 3<sup>rd</sup> May, 2021 under our Patron and Principal Dr. R.N Singh, The Chief Guest of the online workshop was Prof. Aruna Palta, Hon. Vice Chancellor, Hemchand Yadav Vishwavidyalaya, Durg. Workshop was Convenered by Prof. Anil Kumar, HOD, Dept. of Biotechnology.