**BB610 Biomedical Microsystems Course Project Team Details and Topics**

**Team 1:** Development of micro hand (micro tweezer) using MEMS

**Submission 1 – Submitted**

**Submission 2 – Submitted - good**

**Submission 3 –Submitted – No user requirements and not in format**

Vedant Shirsekar 22m0124 BSBE (Team leader)

Anirban Pal 22m0131 BSBE

Onam Tamir 22m0143 BSBE

Yashvi Lodaya 22m0132 BSBE

Jenil Mange 22m0122 BSBE

Ridip Basak 22m0128 BSBE

Sourami Biswas 22m0129 BSBE

Himanshu Gupta 22m0144 BSBE

**Team 2: Micropumps for Cancer Drug Delivery**

**Submission 1 – Submitted**

**Submission 2 – Submitted – Very good**

**Submission 3 – Submitted – Very good**

190110030 - Jaideep Singh Chawla (Team Leader) MEMS  
19D110019 - Shibashis Sahoo  
19D110004 - Gunratna Borkar  
19D110003 - Aditya Garg  
22D0084 - Amit Karmakar  
22D0087 - Sabhya  
190110026 - Harshavardhan Ragade   
19D110005 - Shantanu Desale  
19D110016 - Sachin Kumar  
190110016 - Nikhil Chavan  
190110104 - Yogendra Pratap Singh  
19D110002 - Abhishek Kumar

**Nikhil Mandhani, 19D110010**

**Team 3: Lab-on-a-chip for cancer detection**

**Submission 1 – Submitted**

**Submission 2 –Submitted - Good**

**Submission 3 –Submitted - Good**

**Aerospace Engineering:**Shubham Sharma 190010065 (team leader)  
Harshil Naik 190010030  
Danish Behnal 190010018  
Atharva Mete 190010012  
Anjali Rawat 190010007  
Meghna Dixit 190010045  
Himanshi Kasotiya 190010031

**Metallurgical Engineering and Material Sciences:**  
Khyati Meena 190110038

Sahensu Soni 190110078  
  
**Mechanical Engineering:**Mali Shwetambari Sanjay 190100071  
Ayan Agrawal 190100030  
  
**Electrical Engineering:**  
Prasann Iyer 190070047

**Team 4: MEMS based devices for ocular drug delivery**

**Submission 1 – Late Submission**

**Submission 2 –Submitted – Very good**

**Submission 3 – Submitted – very good**

Varun Pathak - 190100133 (team leader)

Sumit Sureka - 19d100024

Subodh Wankhade - 19d100026

Gopalan Iyengar - 19d170009

Saptarshi Joshi - 190100059

Gautam Tanwar- 190010024

Aryan Jain - 190020052

Vikram Atreyapurapu - 190100029

M Danish - 190100076

Siddharth Mundara - 190110091

Sanskar Maddi - 190010041

**Team 5: Sensor for blood cell counter using MEMS.**

**Submission 1 – Late Submission**

**Submission 2 –Submitted - Good**

**Submission 3 –Submitted - Good**

Sujit Yadav 190020113

Raj Karan 190020093

Kritin Agarwal 190020064

Megha Nigwal 190020069

Abhishek Sharma 190020002

Budhram Meena 190260015

Himanshu Rajpoot 190260024

Rajani Meena 19D100015

Adithya Somaraj 190110002

Banothu Suresh 190260013

Rohan C Kumar 190260037

Ashutosh Yadav 190260011

Akash Verma(190260005)

**Team 6: Development of a MEMS based Fluorescence Imaging Instrument for Identification of Disease Bio markers**

**Submission 1 – Submitted**

**Submission 2 –Submitted – No MEMS designs**

**Submission 3 –Submitted – Not as per format..need to redo**

1. Mayank Raj :- 213070116 ( Team leader)

2. Vipin Kumar :- 213070102

3. Tanmaya Shrivastav :- 21307R016

4. Pradumn Kumar :- 213070055

5. Amit Shrote :- 213070109

6. Md Faizan Bari :- 213070091

7. Naef Ahmad :- 213079015

8. Prajakta Shashikant Kamble :- 213070108

9. Abhishek Kumar :- 213070060

10. Sumeet Tabhane :- 213070072

11. Advait Khairkar :- 21307R011

12. Prasad Trimukhe :- 203076001

**Team 7: MEMS Graphene Pressure Sensor for HealthCare Devices**

**Submission 1 – Marks deducted as no word file/pdf file submitted**

**Submission 2 – Submitted – Doesn’t talk about the pros and cons and gaps, nor does it contain MEMS**

**Submission 3 –Submitted - Good**

1. Satyaki Chakravorty :- 213070095 (Team leader)

2. Subhadip Sen (213070083)

3. Kunal Kaushik (21307r020)

4. Yashawant Kumar Singh (213070099)

5. Souhardya Mondal (213070092)

6. Akansh Agarwal (213070094)

7. Yogesh Kumar (213070105)

8. Abhishek Rajawat (213070086)

9. Tauqeer Ahmad (213070093)

10. Mahesh Patil (20307r010)

11. Suman Mahato (213070104)

**Team 8:** **MEMS Device to Detect Pollen in Air**

**Submission 1 – Submitted**

**Submission 2 –Submitted - Good**

**Submission 3 –Submitted - Good**

1) Agrim Gupta , 200020016, B.Tech Chemical Engg, 3rd year

2) Adil Gupta , 200100006, B Tech Mechanical Engg ,3 Rd year

3) Ashish Singh Chauhan, 200020031, B Tech, Mechanical Engg, 3rd year

4) Aniruddh Baranwal, 200100025, BTech, Mechanical Engineering, 3rd year

5) Palak Vora, 200020086, BTech, Chemical Engineering, 3rd year

6) Tanirika Roy, 200020150, BTech, Chemical Engineering, 3rd year

7) Devaansh Patel, 200040040, B. Tech. Civil Engineering, 3rd Year

8) Ishit Garg, 200040066, B. Tech. Civil Engineering, 3rd Year

9) Kachhadiya Raj Jayeshbhai, 200100077, B.Tech. Mechanical Engineering, 3rd year

~~10) Samarth Vashisht, 20011092, MEMS dept~~

11) Bhumika Mehta 200020042, Chemical Engineering

12) Antriksh Khandegar 200020028, Chemical Engineering

**Team 9: Blood Spectrum Analysis using micro-fabry perot Interferometer.**

**Submission 1 – Submitted**

**Submission 2 – Submitted – Very good**

**Submission 3 – Submitted - Good**

Sl.No    Name                          Roll               Department

1          Hitesh Kumar Sahu      213079013     Electrical Engineering Team Leader

2          Ratnesh Singhai          213070049     Electrical Engineering

3          Amit Kumar Singh       213070069     Electrical Engineering

4          Emon Sarkar               213071002     Electrical Engineering

5          Ajay Verma                 213070059     Electrical Engineering

6          Shivajee Tiwari            21307R013     Electrical Engineering

7          Surbhika Rastogi         213070056      Electrical Engineering

8          Subham Singh            213070076      Electrical Engineering

9          Manish Prajapati          213070074     Electrical Engineering

10        Anjali                         190050018     Computer Science Engineering

11        Nutan Choudhary        19D070040     Electrical Engineering

12        Pavni Tandon              19D070044     Electrical Engineering

**Team 10: DNA Analysis in Microsystems**

**Submission 1 -Submitted**

**Submission 2 –Submitted - Good**

**Submission 3 –Submitted - Good**

Nilabja Mandal      190020078 (lead)

Devansh Saini       190040034

Anubhav Kamle     190040019

Shivansh Singh     190020104

Tanmay Verma      190040125

Aniruddh Radhakrishnan   190260007

Rutik Payghan       190100091

Atharva Diwan      190100028

Kuldeep Saini        190100068

Bijja Sai Kalyan     190100037

Nikhil Kedia           190100082

Ritu Raj                190100101

Hansraj Paliya      190100052

**Team 11: Micro PCR Device**

**Submission 1 - Submitted**

**Submission 2 – Submitted - Good**

**Submission 3 –Submitted - OK**

1.M. Thivesh Chandra ,190050124,Computer Science Engineering – Team leader  
2.Renati Saathwick Reddy,190050100,Computer Science Engineering  
3.P Veda Pranav,190050094,Computer Science Engineering  
4.Dasari Rajesh,190050030,Computer Science Engineering  
5.Ginjala Varshini,190050039,Computer Science Engineering  
6.Regeti Dandu Chetan ,190070051,Electrical Engineering  
7.Tholeti Satya Rohith,190260043,Engineering Physics  
8.Sharath kumar Naik Mudavath,19B090010,Mathematics  
9.N Sai Swaroop,190070041,Electrical Engineering  
10.Arem Praveen Prakash,190020019,Chemical Engineering  
11.T Rishi Kumar,200040152,Civil Engineering  
12.MVS Sri Harsha,190100077,Mechanical Engineering

13.Satyam Raj,190100106,Mechanical Engineering

**Team 12: Neural Interfaces: Brain-Computer Interface**

**Submission 1 – Submitted**

**Submission 2 –Submitted – No MEMS designs compared**

**Submission 3 –Submitted - Good**

Advait Padhye                200100014

Anushka Dubey              200050012

Hastyn Doshi                 200070025

Kanishka Mittal              200050058

Moiz Shakruwala            200100098

Molina Dhembla             200050076

Pinkesh Raghuvanshi      200050106

Rambhia Dhruv Piyush   200050115

Sankalp Parashar           200050127

Sanyam Saxena             200260047 – Team leader

Vidit Goel                      200050156

**Team 13: Optimal MEMS methods of Drug and Vaccine Administration**

**Submission 1 – Submitted**

**Submission 2 – Submitted - Good**

**Submission 3 – Submitted - Good**

19B080024 - Sandeep Kanaje

19B080027 - Suryansh Bhandari

190100137 - Vipul Kumar Singh

19B080010 - Bhavya Jain

19B080002 - Abhijeet Jaswant

190100138 - Vivek Rathore

190100078 - Mudit Rathore

190100046 - Dhwaj Bhandari

190040092 - Ritick Ranjan Prasad  - Team leader

190040007 - Aditya Jain

190040091 - Rishikesh Vaidya

190100067 - Kshitij Garg

200040146 - Tanisha Bansal

**Team 14: MEMS-based blood cell counting device**

**Submission 1 – Submitted**

**Submission 2 –Submitted - good**

**Submission 3 –Submitted - good**

1. Nikhil Sapkale, 18D170022, Energy Science and Engineering  
2. Shubham Sen , 190040115, Aerospace Engineering  
3. G Raghunandan Reddy, 190010027, Aerospace Engineering

4. Yash Dilip Cuncolcar, 190020135, Chemical Engineering

5. Aditya Anavkar, 19d070004, Electrical engineering   
6. Arpit Meher, 190070009, Electrical engineering   
7. Poojamai, 190010019, Aerospace Engineering  
8. Vishal Kumar, 180070065, Electrical Engg  
9. M Sudeep Gowda, 190010046, Aerospace Engineering

10. Rishuv Gorka, 190070052, Electrical engineering

**Team 15:** Design and development of insulin microneedles for diabetes treatment

**Submission 1 – Submitted**

**Submission 2 – Submitted – No designs compared**

**Submission 3 – Submitted - Good**

Meetu Kaur 22M0133 (Team leader – all from BSBE)

Niama Bafakyh 22M0130

Rishika Kumari 22M0125

Shabana 22M0136

Nikita Singh 22M1885

Shivali Patkar 22D2004

Lekhashree LK- 22D0063

Mangal Talpade 22D0062

Monalisha Mallick 22M0141

Akanksha Shikhare 22M0142

Rohit Goyal 213110003

M.Tech Materials Science (MEMS)

**Team 16:** Micro-Tweezers Design and its application in the field of Biology

**Submission 1 – Submitted**

**Submission 2 –Submitted - Good**

**Submission 3 – Submitted - Good**

1. T Ravi Kishor Reddy          - 213110015 (team leader)

2. Savarapu Satya Vijetha     - 213110030

3. Ayyappa Kirla                   - 213110035

4. Ushaswini Tirunagari         - 213010009

5. Prasanta Kumar Behera     -22M1881

6. Aditya Sharma                 - 22m1843

7. Vimal Singh                     - 213114002

8. Sachin Garg                     -213110033

9. Abhijeet Chichulkar          -213110020

10. Nitin  Sharma                 -213110044

11. Abhishek Morade            -213110034

12. Rajat Kumar                     -  213110013

**Team 17: Facilitating vaccination using microneedles**

**Submission 1 – Not submitted - Late**

**Submission 2 – Late – No MEMS approaches discussed**

**Submission 3 – Late**

19D070063 Utakarsh Thakare

200020163 Vinit Nikam – Team leader

200020011 Adhiraj Joshi

200020009 Adarsh Agarwal

200020071 Kumar Saurabh

200020003 Aayush Kakade

200110008 Aditya Wankhade

200110042 Goransh Gattani

200110109 Himanshu Soor

200110117 Tushar Bhati

20D110010 Mohit Sharma

20D110018 Ram Kandalkar

Anagh Purkar 200110012

**Team 18: Micro PCR Device**

**Submission 1 – Submitted**

**Submission 2 – Submitted – MEMS comparison not clear, no designs shown**

**Submission 3 –Submitted - Good**

|  |  |  |
| --- | --- | --- |
| Name | roll | dept |
| Vishwanth K | 190050131 | Cse team lead |
| Julakanti Mukesh Reddy | 190050054 | cse |
| Savyasach Reddy E | 190050109 | cse |
| Rajulapudi Mastansha | 190050098 | cse |
| Najmus saquib | 180100069 | Mech DD |
| Ramineni Amith Varma | 190050099 | cse |
| Konapala Bhanu Prakash | 190050059 | cse |
| Prudhvi | 19d110014 | Mems |
| Vallabha | 190100119 | Mech |
| Vinamra | 190010070 | Elec |
| Sachin | 19B080022 | Economics |
| Kalyan | 190100037 | Mech |

**Team 19: Solid microneedles for drug and vaccine delivery**

**Submission 1 – Late Submission**

**Submission 2 –Submitted – No MEMS designs compared**

**Submission 3 –**

Aryan Jani - 19d100002 – Team leader

Sumit Bhong - 190100121

Arpit Tiwari  - 190110011

Harsh Jain - 19b080012

Shrihari Wattamwar - 19d100021

Sanket Ghyar - 190110023

Sujal Solanke -19d100023

Darshan Pote - 190020035

Kunal Sahare - 19d100008

Akhil Maan 190100010

Rajesh Kasaniya 190100097

Harshit Singh - 190020048

**Team 20: MEMS Blood Cell Counter**

**Submission 1 – Submitted**

**Submission 2 – Submitted - Good**

**Submission 3 – Submitted - Good**

|  |  |
| --- | --- |
| Name | Roll No. |
| Ritveek Mahajan | 190040093 |
| Supreet Gupta | 190040121 |
| Om Prakash | 190040069 |
| Ishita Gupta | 190040046 |
| Shantanu Girnale | 190040040 |
| Kunal Nitin Suryawanshi | 190040055 |
| Mitali Badwe | 190040024 |
| Chetan Kumar | 190040030 |
| Rishabh Gupta | 190100100 – Team leader |
| Adesh Yadav | 190100005 |
| Ketan Agrawal | 190040052 |

**Team 21: Design of Microheater for Smart Gas Sensor Applications**

**Submission 1 – Submitted**

**Submission 2 –Submitted - Good**

**Submission 3 –Submitted - Good**

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Name** | **Roll Number** |
| 1 | Arkadeep Barua | 203079009 |
| 2 | Bhawana Srivastava | 203079017 |
| 3 | Monika | 20307R013 (TL) |
| 4 | Shrasti Bhargava | 20307R012 |
| 5 | Mahesh Shahaji Patil | 20307R010 |
| 6 | Harshad Bhausaheb Ugale | 20307R008 |
| 7 | Gauri Patrikar | 203076002 |
| 8 | Annu | 20307R007 |
| 9 | Dhananjay Agnihotri | 200100055 |
| 10 | Bhuvan Gowda H N | (200100048) |
| 11 | Ashwin Maheshwari | (200100038) |

**Team 22: Micropumps for drug delivery. ( Silicon )**

**Submission 1 – Submitted**

**Submission 2 –Submitted – No clear comparison, 3 designs not clear**

**Submission 3 – Submitted - OK**

1. Ankit Bepari 190100018 Mechanical – team leader

2. Ankit Yadav 190100019 Mechanical

3. Amit Meena 190100013 Mechanical

4. Aarush Billaiya 190100002 Mechanical

5. Niharika Sanjay Maheshwari 190100141 Mechanical

6. Kunal Chhabra 19d070031 Electrical (Dual in Cminds)

7. Nayan Singh 190070036 Electrical

8. Utkarsh Kanwat 190070069 Electrical

~~9. Nikhil Mandhani 19D110010 Mems (Dual in Health informatics)~~

10. Satyendra Kumar Meena 190050108 Computer Science

11. Nitish Kumar Meena 190050074 Computer Science.

12. Piyush Kumar Suman(190100093)

**Team 23: Micro PCR Device**

**Submission 1 – Submitted**

**Submission 2 – Submitted - Good**

**Submission 3 – Submitted - Good**

190050053 - Jayesh Singla

190050129 - Vikas Panwar

190050123 - Tanu Goyal

190050067 - Megha Baboria – Team leader

190050114 - Shrey Singla

190260036 - Richeek Das

190050121 - Vigna

190050005 - Adithya Bhaskar

190050105 - Samiksha Das

190070020 - Dhingra Dhruva

190050046 - Gyana Prakash Beria

190050119 - Sumit Jain

**Team 24: MEMS Pressure Sensors**

**Submission 1 - Submitted**

**Submission 2 – Submitted – Not clear about MEMS approaches**

**Submission 3 –Submitted - Good**

1. Shivam Raj 190050113 – Team leader  
2. Abhinav Gupta  190050003  
3. Thomas Jacob 190070068  
4. Sambit Behera 190050104  
5. Aaron Jerry Ninan 190100001  
6. Paarth Jain 190050076  
7. Ritik Mandal 190050101  
8. Sahasra Ranjan 190050102  
9. Sayantan Dhar 190050110  
10. Karthikeya Reddy Konda 190050060  
11. Ojas Gramopadhye 190050075  
12. Prabhanshu Katiyar 190050088

**Team 25: Microvalves for Biomedical Applications**

**Submission 1 – Submitted**

**Submission 2 –Submitted - good**

**Submission 3 –Submitted - good**

1. Shreyas Chandgothia – 180260037 – Team leader

2. Aman Raj - 18D170006

3. Deepanshu Bansal - 18D170010

4. Valay Bundele - 18D170033

5. Dharshan Sampath Kumar - 18D180009

6. Drishti Baruah - 190260019

7. Shourish Khade - 190260026

8. Manan Seth - 190260028

9. Mihir Agre 190260030

10. Pankaj Wagh - 190260032

11. Parth Shrivastava - 190260033

12. Sachin Teli - 190260042

13. Vignesh Tongaria - 190260046

**Team 26: Estimation of Taurine Content in Biological Fluid using MEMS Device**

**Submission 1 – Submitted late**

**Submission 2 –Submitted - OK**

**Submission 3 –**

Gaurav rana(190100049)

~~Rajesh Kasaniya(190100097)~~

Sanjay Verma(190110083)

Akash Kulthe(190100008)

Anshul Chauhan(190020017)

Piyush Kumar Suman(190100093)

~~Satyam Raj(190100106)~~

~~Akhil Maan(190100010)~~

Sandeep Kumar Mundotiya(190040104)

~~Karshik Madavi(190100070)~~

~~Hansraj Paliya(190100052) – Team leader. – Which Team??~~

Sachin Godara(190040097)

**Team 27: Separation of plasma from blood using MEMS**

**Submission 1 – Submitted**

**Submission 2 – Submitted - Good**

**Submission 3 –**

|  |  |  |
| --- | --- | --- |
| Korikana Sandeep | 180040055 | Civil Engineering |
| Araveeti V Sai Pavan | 213070007 | Electrical |
| Bodayyagari Govardhan Reddy | 213070008 | Electrical |
| Reddygari Bhupal Dheeraj | 21307R009 | Electrical |
| Ritu Sharma | 213079023 | Electrical |
| Yasharth Srivastava | 213070050 | Electrical |
| Rajat Kumar Panigrahi | 213070057 | Electrical |
| Shivam Gupta | 213070066 | Electrical |
| Sathvik Ambati | 213070070 | Electrical |
| Sanjay Gupta | 213070073 | Electrical |
| Sanket Parasram Gedam | 213070078 | Electrical |
| Robin Singh Kain | 213070080 | Electrical |
| Nikita Meena | 213070081 | Electrical |

**Team 28: Microneedle based drug delivery system for cattles**

**Submission 1 – Submitted**

**Submission 2 – Submitted – very good**

**Submission 3 – Submitted – very good**

1.Akshay Kumdade 22M0137

2. Anuj Satpute (Team leader all from BSBE) 22M0139

3. Prodip kumar saha purnendu 22M0146

4. M Sagar Kumar 22M0134

5. Aritra Daspoddar 22M0140

6. Rohit kumar 22M0138

7. Ashwin A 22M0121

8. Chakravarthi Marri 22M0127

9. Abhinandan Ghosh 22M0135

10. Rahul Kumar Gupta 22M0145

11.  Shivraj Jarwal (Roll No.200040136)

12. Vishal Meghwal (200040165)

**Team 29: Micro-heater for Biomedical Applications**

**Submission 1 – Submitted**

**Submission 2 –Submitted - OK**

**Submission 3 – Submitted - OK**

Deepak Kumar Meena-190010020 – Team leader

Telang Amit Vijay - 190110098

Shreyansh Singhania - 190010062

Yash Niraj Shah - 190020136

Tanal Patel - 190110096

Karmankar Asit Dewanand - 190100061

Sunatkari Siddharth Prabhakar 190100122

Siddesh Pandey - 190100114

Milan Ramgundewar - 190010057

Siddhant Shingade - 19D070057

Siddharth Verma -190100115

Vedant Barthate - 190100033

Samyak Mhaske - 18d110009

**Team 30: Micro PCR Device**

**Submission 1 – Submitted**

**Submission 2 –Not submitted**

**Submission 3 –Late**

Team Leader - Akshat Gupta(190050010)

Tanay Sharma (190050122)

Sibasis Nayak(190050115)

Piyush Raj(190050083)

Gaurav Krishan Gupta(190050036)

Sahil Suman(190050103)

Shruti Agarwal (190260040)

Dhara Patel (190100090)

**Team 31: Micro-electrode Array Retinal Prosthesis**

**Submission 1 – Done on time**

**Submission 2 – Submitted – very good**

**Submission 3 – Submitted - good**

1. Purvi Poonia 190050087

2. Vinay 19D070068

3. Mihir Ghumbre 19D070035

4. Atharva Warhade 190070012

5. Pragya Baran 190050090

6. Badal Varshney 19D070015

7. Gaurang Dev 19D070024

8. Aakriti 190050002

9. Prakriti Mehta 19D100013

10. Jasar Mohammed K 18d170013

11. Arjun Agarwal 190100023

12. Pooja Choudhary 190070045

13. Yeesha Kalal  190010072

**Team 32:** "**MEMS Based Cancer detection devices**

**Submission 1 – Submitted**

**Submission 2 – Submitted – just 1 page, no designs, no pros and cons**

**Submission 3 –**

Sakshi Toshniwal 190070055 Elec – Team leader

Siddhi Bagul 190070015 Elec

Shreeya Shrikant Athaley 190020106 Chem

Keerthi Rathod 190070031 Elec

Silky Kumari 190070063 Elec

Mitali Singal 19d070036 EE DD

Leena Chaudhari 190100069 Mech

Muskaan Chandra 19D070038 EE DD

Ojasi Jadhav 19D070041 EE DD

Niraja Patankar 18B030016 Chemistry

Aditi Raj 180100006 Mech

**Team 33: MEMS based Blood separation using Micro-fluidic devices**

**Submission 1 – Submitted**

**Submission 2 – Submitted – very good**

**Submission 3 – Submitted - good**

1. Rajiv Vaidyanathan - 203059003

2. Aman Butoliya - 203070001

3. G. Sravani - 203070004

4. Sachin Patil - 203079001

5. Mikhil Gupta - 203079016

6. Ram Pal - 213070014

7. Satyabrata Sahu - 213070015

8. Devendra - 213070022

9. Chavare Omkar Anandrao - 213070077

10. Srinidhi - 213079003

11. Kaustav Jana 213079016

12. Souvik Malakar- 213079026

13. Vipin Vamanrao Paradkar - 213074002

14. Dheer Kamlesh Bhanushali - 20002046

**Team 34: MEMS Acoustic Sensors for Totally Implantable Hearing Aid Systems**

**Submission 1 – Submitted**

**Submission 2 – Submitted - Good**

**Submission 3 – Submitted - Good**

1. Soham Purohit - 190100117 - Mechanical Engineering  
   2) Vatsal Kanodia - 190110102 - MEMS  
   3) Ayush Gupta - 190020027 - Mechanical Engineering  
   4) Rohit Vartak - 190010058 - Electrical CMInDS  
   5) Utkarsh Gupta - 190040128 - Mechanical Engineering  
   6) Punit Madia - 190100096 - Mechanical Engineering  
   7) Arif Ahmad - 190110010 - Electrical CMInDS  
   8) Pranamya Kulkarni - 190040072 - Electrical CMInDS   
   9) Prathamesh Nakhate - 190100095 - Mechanical Engineering  
   10) Kushal Kejriwal - 190110040 - Electrical Engineering – Team leader

11) Karshik Madavi(190100070)

**Team 35: Micro-needles for drug delivery**

**Submission 1 – Submitted**

**Submission 2 –Submitted - good**

**Submission 3 –Submitted - good**

1. Asser Ansari - 18D070040

2. Jay Sawant - 18D070050 – Team leader

3. Ayush Dahale - 18D070041

4. Chinmay Bharti - 18D070043

5. Mitesh Pawar - 18D100012

6. Ritwik Khandelwal - 18D070061

7. Abhilaksh Kumar - 18D070035

8. Devank Rajvanshi - 18D100009

9. Harshit Shrivastava - 18D070011

10. Archishman Saha - 18D070007

11. Priyanka Bagade - 18D070021

12. Esha Kulawe - 18D070046

**13. Hrishikesh Baviskar - 18D070048**

**14. Uttam Bansal - 18d070032**

**Team 36: Design and Analysis of Micro-Tweezers and their Biological application**

**Submission 1 – Submitted**

**Submission 2 –Submitted - Good**

**Submission 3 – Submitted - Good**

1.Jagadeesh Adapureddi(213070100)

2. Manijith Pendota (213070103)

3. Venkateswar Reddy Murikinati (213070087)

4. Manikanta Gurram (213070098)

5. Sushma Usurupati (213070106)

6. Mounika Mandapalli (213070097)

7. Priyansh kasyap (213070114)

**Team 37 - MICROFLUIDIC DEVICE FOR CAPTURE AND ISOLATION OF CIRCULATING TUMOR CELL CLUSTERS**

**Submission 1 – Not submitted**

**Submission 2 –Submitted – OK, no MEMS designs**

**Submission 3 – Submitted - OK**

1. Anish Bang - 190040016 ( Team Leader )

2.Bhargavi Taralekar - 190100035

3.Nabh Agrawal - 190100079

4. Shrey Gupta - 190100112

5.Pranjal Gupta - 190010053

6.Naresh Balamurugan - 190110051

7.Nidhi Chauhan - 20B080013

8.Aman Kumar - 190100012

9. Priyam Vijayvargia - 190040079

10.Apoorva janawlekar - 190010010

11.Aayushi Khare - 19b080001

12.Vivitsa Jain - 190040132

13. Chaitanya Maheshwari - 19B080011

14.Nikhit Veerapaneni - 190100134

15. Ayush Jain - 200020037

**Team 38:** "**Micro-heater for aerosol generation**"

**Submission 1 – Submitted**

**Submission 2 – Submitted - Good**

**Submission 3 –Submitted - Good**

1) Adarsh Sinha - 21307r005 (Electrical Engineering department ) – Team leader  
2) chiranjan roy -213074011 (Electrical Engineering department )  
3) Naina Rajesh jaiswal - 213070101 (Electrical Engineering department)  
4) Janampalli pavanija - 213079024 (Electrical Engineering department )  
5) Vendra Durga Prasad - 213079014 (Electrical Engineering department )  
6) srirapa sai srikar - 213074012 (Electrical Engineering department )  
7) piyush Singh Rana - 213070063 (Electrical Engineering department )  
8) Neha koundal - 213070061 (Electrical Engineering department )  
9) G Ramesh Kumar - 213110006 (Metallurgical engineering and meterial science)  
10) K Sai Manoj Reddy - 213110002 (Metallurgical engineering and meterial science)  
11) K Anand Naik - 213110031 (Metallurgical engineering and meterial science)  
12) B Durga Praveen - 213110022 (Metallurgical engineering and meterial science)  
13) Madhav Prabhakar Nadkarni - 213070065 (Electrical Engineering department)

**Team 39: Wireless microsystems for biomedical applications**

**Submission 1 – Submitted**

**Submission 2 –Submitted – No MEMS designs discussed**

**Submission 3 –Submitted - Good**

Prasann Jaiswal (Team Leader) 180100086

Dnyandeep Kale 180100041

Yash Shinde 18D110013

Kratik Bhadoriya 180100059

Utkarsh Sahu 180100120

Ashish Pol 190070011

Arjun Sharma 190020020

Sreyashi Saha 190110092

Himanshu Chandani 190110027

Avinash Arun 180010016