



# St. JOHNS COLLEGE OF ENGINEERING & TECHNOLOGY

YERRAKOTA, YEMMIGANUR - 518 360, KURNOOL (Dist.) A.P.

## DEPARTMENT OF MECHANICAL ENGINEERING

### List of Students

Year/Sem: III-I & IV-I

A Certificate Program on "Advances in Materials and Manufacturing"

Academic Year:2017-2018

S.No.	Roll No.	Name of the Student	Department	Student Signature
1	14G31A0302	BOYA VISHNU SAI	ME	B. Vishnu Sai
2	14G31A0303	DEWAN SHAIKSHAVALI	ME	Shaikshaivali
3	14G31A0304	GADIGE CHANDRA SEKHAR	ME	Ch. Sekhar
4	14G31A0305	GURAJALA HEMANTH KUMAR REDDY	ME	G. HEMANTH
5	14G31A0306	GUREDDY SURYA PRATAP REDDY	ME	G. surya
6	14G31A0307	J VEERENDRA GOUD	ME	J. Goud
7	14G31A0308	JAMPULA RAMNATHA RAO	ME	J. Ramanatha Rao
8	14G31A0309	K SAMEERA SIMHA	ME	K. Sameera
9	14G31A0310	KALUVA VENKATESH	ME	K. Venkatesh
10	14G31A0311	KAMMA JAYANTH BABU	ME	K. Jayanth Babu
11	14G31A0312	KANCHU GUNDU NAGESH	ME	K. Nagesh
12	14G31A0313	KANIKE SREECHARAN	ME	sreecharan.k
13	14G31A0314	KAPPAGALLU MOURYA CHANDRA	ME	K. mourya
14	14G31A0315	KODIGANTI DIVAKAR	ME	K. Divakar
15	15G35A0301	B.RAVINDRA KUMAR	ME	B. Ravindra Kumar
16	15G35A0302	K.RAJASEKHAR	ME	K. Raju
17	15G35A0303	GADIGE MOHAN KUMAR	ME	G. Mohan
18	15G35A0304	ABBURAM PREM KUMAR	ME	A. Prem
19	15G35A0305	DANAM AJAY KUMAR	ME	D. Ajay
20	15G35A0306	R KARREPPA	ME	R. Karappa
21	15G35A0307	BOYA MAHESH	ME	B. Mahesh.
22	15G35A0308	KAMBALI KARTHIK	ME	k.karthik
23	15G35A0309	MOTTE AYYANNA	ME	M. Ayyana
24	15G35A0310	VADDE PRASANTH	ME	V. prasanth
25	15G35A0311	M HARSHAVARDHAN REDDY	ME	Harsha
26	15G31A0301	ASPARI SATHAR HAJI BASHA	ME	A. Haji Basha
27	15G31A0302	B VIRUPAKSHI	ME	B. virupakshi
28	15G31A0303	BANDA RAJSHEKAR	ME	B. Rajshekar
29	15G31A0304	BOYA RAVIKIRAN NAIDU	ME	B. Ravi
30	15G31A0305	EDIGA MOHAN GOUD	ME	E. Mohan
31	15G31A0306	G AJAY KUMAR	ME	G. Ajay
32	15G31A0307	G SHIVAKUMAR YADAVA	ME	G. shiva Kumar
33	15G31A0308	GELLA VENKATA NARAYANA	ME	G. Venkata narayana



## A Certificate Program on "Advances in Materials and Manufacturing"

Academic Year:2017-2018

S.No.	Roll No.	Name of the Student	Department	Student Signature
34	15G31A0309	KAMMA NARESH	ME	K. NARESH
35	15G31A0310	KAMMARI MONESH ACHARI	ME	K. Monesh
36	15G31A0311	MANGALI SATYANARAYANA	ME	M. satyanarayana
37	15G31A0312	MANIYAR AMEER SOHAIL	ME	M. Ameerv
38	15G31A0313	MEENIGA SREEKANTH	ME	M. Sreekanth
39	15G31A0314	N MAHANANDI GOUD	ME	N. Mahanandi
40	15G31A0315	PAINTY SAI KRISHNA	ME	P. Sai Krishna
41	15G31A0316	R GOPINATH REDDY	ME	R. Gopinath
42	15G31A0317	S NOOR MOHAMMED	ME	S. Noor T. Venkatesh
43	15G31A0318	TEVULA VENKATESH	ME	T. Venkatesh
44	15G31A0319	VADLA HANOK NOVAL	ME	V. Hanok
45	15G31A0320	JHAMKhanghar MD SAMEER BASH	ME	J. Md. Sameer
46	16G35A0301	B SHIVA KUMAR	ME	B. Shiva Kumar
47	16G35A0302	BAIBARI MOHAMED NISAR	ME	B.M.D. Nisar
48	16G35A0303	BESTA SHIVA KUMAR	ME	B. Shiva
49	16G35A0304	BOYA PASUVULA PARAMESH	ME	B. Paramesh
50	16G35A0305	BOYA THEJA	ME	B. Theja
51	16G35A0306	CHIPPAGIRI BHASKAR	ME	C. BHASKAR
52	16G35A0307	DASAPPAGARI SUDHARMA	ME	D. Sudharma
53	16G35A0308	JAKKULA VINOD KUMAR	ME	J. Vinod Kumar
54	16G35A0309	K ERANNA	ME	K. Eranna
55	16G35A0310	KAMARTHI VINOD KUMAR	ME	K. Vinod

  
Co-ordinator

  
HOD

**H. O. D.**  
Department of Mechanical Engg.  
St. Johns College of Engineering & Technology  
Tarrakata YEMMIGANUR, Kurnool Dist. A.P.





DEPARTMENT OF MECHANICAL ENGINEERING

Day-Wise Attendance Sheet

Academic Year: 2017-2018

Course Duration: 25 DAYS

Time: 10.00 AM to 01.00 PM

Course Commencement Date: 05.06.2017

Course Title: "ADVANCES IN MATERIALS AND MANUFACTURING"

S.No	Regd. No.	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 6	DAY 7	DAY 8	DAY 9	DAY 10	DAY 11	DAY 12	DAY 13	DAY 14	DAY 15	DAY 16	DAY 17	DAY 18	DAY 19	DAY 20	DAY 21	DAY 22	DAY 23	DAY 24	DAY 25	
1	14G31A0302	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
2	14G31A0303	P	P	A	P	P	P	P	A	P	A	P	P	P	A	P	A	A	A	A	A	A	A	A	A	A	A
3	14G31A0304	P	P	P	A	P	A	P	A	P	P	A	P	P	A	P	A	P	P	P	P	P	P	P	A	A	A
4	14G31A0305	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
5	14G31A0306	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P
6	14G31A0307	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
7	14G31A0308	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P
8	14G31A0309	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A
9	14G31A0310	P	P	P	P	P	A	P	P	A	P	A	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P
10	14G31A0311	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
11	14G31A0312	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
12	14G31A0313	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
13	14G31A0314	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
14	14G31A0315	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	15G35A0301	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	15G35A0302	P	A	P	P	P	P	A	P	P	A	P	P	P	A	P	A	P	A	P	P	P	P	P	P	P	P
17	15G35A0303	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P
18	15G35A0304	A	P	P	P	P	P	A	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P
19	15G35A0305	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
20	15G35A0306	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
21	15G35A0307	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	15G35A0308	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	15G35A0309	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	15G35A0310	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	15G35A0311	P	P	A	P	A	P	A	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
26	15G31A0301	P	A	P	A	P	P	P	P	P	P	P	A	A	P	A	A	P	P	P	P	P	P	P	P	P	P
27	15G31A0302	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
28	15G31A0303	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	A	P	P	P
29	15G31A0304	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
30	15G31A0305	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	15G31A0306	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	15G31A0307	P	P	P	P	A	A	P	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	A	P	P	P
33	15G31A0308	P	P	P	P	P	A	P	P	A	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P
34	15G31A0309	P	P	A	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
35	15G31A0310	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
36	15G31A0311	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37	15G31A0312	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P




## Day-Wise Attendance Sheet

Academic Year: 2017-2018  
Time: 10.00 AM to 01.00 PM

Course Duration: 25 DAYS  
Course Commencement Date: 05.06.2017

**Course Title: "ADVANCES IN MATERIALS AND MANUFACTURING"**

S.No	Regd. No.	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
38	15G31A0313	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
39	15G31A0314	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
40	15G31A0315	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
41	15G31A0316	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
42	15G31A0317	P	P	A	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
43	15G31A0318	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
44	15G31A0319	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
45	15G31A0320	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
46	16G35A0301	A	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
47	16G35A0302	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	
48	16G35A0303	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
49	16G35A0304	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
50	16G35A0305	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
51	16G35A0306	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
52	16G35A0307	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
53	16G35A0308	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
54	16G35A0309	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
55	16G35A0310	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
COORDINATOR SIGNATURE																										

  
**A. G. D.**  
**Department of Mechanical Engg.**  
**St. Johns College of Engineering & Technology**  
**Yerrakota, YEMMIGANUR, Kurnool Dist (A.P)**



**DEPARTMENT OF MECHANICAL ENGINEERING**

Date:06.07.2017

**Program Report**

**Name Of the Event:**A Certification Program On“Advances in Materials and Manufacturing”

**Date/Duration:**05.06.2017 to 04.07.2017 (1 Month)

**Resource Person Details:**Mr. K Nagaraju, Assistant. Professor, ME,Cell: 9885638377

**Name of Coordinator:**Mr. S Kamalesh Rao, Assistant Professor, ME, Cell: 9640114169

**Number of Students completed/enrolled: 50/55**

**Objective of Event:**Provides the latest state-of-the art on different manufacturing processes, including a biomimetics viewpoint. Offers broad coverage of advances in materials and manufacturing

**Topics Covered:**Tool design for selected non-traditional machining processes. Modelling and simulation of selected processes. A comparative study of various processes.Abrasive Flow Machining; Magnetic Abrasive Finishing; Magneto Rheological Abrasive Finishing.Conventional processes-High Energy Rate Forming techniques-Explosive forming, electro hydraulic forming. Micro-Machining:Introduction to micromachining technologies, Microelectro discharge Machining: Principles of micro-EDM, micro-EDM by Die-sinking and WEDG, micro-WEDM, micro-WEDG, micro-ECM, Principles of microturning, micro-drilling and micro-milling, micro grinding, hybrid micromachining method

**Outcome of Program:**Students will get to know the different classes of materials used in engineering applications and would be able to choose the right materials for specific applications. Students will learn the sample preparation methods and sample handling.

  
Program Coordinator

  
HOD

A. O. D.

Department of Mechanical Engg.  
St. Johns College of Engineering & Technology  
Yerrakota, YEMMIGANUR, Kurnool Dist. (A.P.)





# St. JOHNS COLLEGE OF ENGINEERING & TECHNOLOGY

Accredited by NAAC, Approved by AICTE, Recognized by UGC under 2(f) & 12(B)  
Affiliated to JNTUA, Anantapuram

Yerrakota, Yemmiganur-518 360, Kurnool (Dist) A.P.

DEPARTMENT OF MECHANICAL ENGINEERING

## Certificate of Participation

This is to certify that

Mr./Mrs./Ms. KALUVA VENKATESH Class IV - I

Regd.No 14631A0310 has participated in A Certificate Program on

## "Advances in Materials and Manufacturing"

organised by Department of Mechanical Engineering, St. Johns College of Engineering & Technology, Yemmiganur from 05.06.2017-04.07.2017.

Sundar  
Coordinator

[Signature]  
HOD

[Signature]  
Principal



# St. JOHNS COLLEGE OF ENGINEERING & TECHNOLOGY

Accredited by NAAC, Approved by AICTE, Recognized by UGC under 2(f) & 12(B)

Affiliated to JNTUA, Anantapuram

Yerrakota, Yemmiganur-518 360, Kurnool (Dist) A.P.

DEPARTMENT OF MECHANICAL ENGINEERING

## Certificate of Participation

This is to certify that

Mr./Mrs./Ms. BOYA MAHESH

Class

III - I

Regd.No 15631A0307 has participated in A Certificate Program on

## "Advances in Materials and Manufacturing"

organised by Department of Mechanical Engineering, St. Johns College of Engineering & Technology, Yemmiganur from 05.06.2017-04.07.2017.

S. N. S.  
Coordinator

[Signature]  
HOD

[Signature]  
Principal





# St. JOHNS COLLEGE OF ENGINEERING & TECHNOLOGY

YERRAKOTA, YEMMIGANUR - 518 360, KURNOOL (Dist.) A.P.

## DEPARTMENT OF CIVIL ENGINEERING

### List of Students

Year/Sem: III-I & IV-I

A Certificate Program on "Mastering Bitumen for Better Roads & Innovative Applications"

Academic Year:2017-2018

S.I.no	Roll No.	Name of the Student	Department	Student Signature
1	14G31A0101	BAILDAR MEHABOOB BASHA	CE	
2	14G31A0104	BOYA CHAITANYA	CE	B Chaitanya
3	14G31A0105	BOYA MALLIKARJUNA	CE	Mallikarjuna
4	14G31A0106	BOYA UMA MAHESWARI	CE	Maheshwari B
5	14G31A0107	BOYA VEERESH KUMAR	CE	
6	14G31A0108	EDIGA THARUN KUMAR	CE	
7	14G31A0109	GADDAM RAJA SEKHAR	CE	
8	14G31A0110	GADDE MOHAMMED GHOUSE	CE	Ghouse
9	14G31A0111	GANGULA RAGHAVENDRA REDDY	CE	
10	14G31A0112	GOLLA RANGASWAMY	CE	
11	14G31A0113	HALVI VIJAY	CE	H. vijay
12	14G31A0116	K NETRANATHA	CE	
13	14G31A0117	KANAKAVEEDU BABU	CE	
14	14G31A0118	KELLELU SHANTHARAJU	CE	
15	14G31A0119	KENCHUGUNDU VIJAY KUMAR	CE	
16	14G31A0130	NALLABOTHULA NUTHAN AJAY AMRUTH RAJ	CE	
17	14G31A0131	PASEDDULA MADANNA	CE	
18	14G31A0132	S ALTHAF	CE	
19	14G31A0133	SHAIK MOHAMMED SAIF ALI	CE	
20	14G31A0135	SULAVAI NARENDRA	CE	
21	14G31A0136	SULTANPURI MOHAMMED ASHFAQ	CE	
22	14G31A0137	UPPARA ASHOK	CE	
23	14G31A0138	VAGGASALE MAHALAKSHMI	CE	
24	14G31A0140	VEERESH SRILATHA	CE	
25	14G31A0141	MULLA MD ABDULRAHMAN	CE	
26	14G31A0142	BOGGU MADHAVILATHA	CE	
27	15G35A0101	BODABANDA BHEEMESH	CE	
28	15G35A0102	GOSILI SHIVATEJA	CE	
29	15G35A0103	MADIGUNDU MAHESH	CE	
30	15G35A0104	PEDDAURUKUNDAPPAGARI DEVENDRA	CE	
31	15G31A0101	ANUMA VENKATARAKESH	CE	
32	15G31A0102	BANDARI BRAHMAIAH	CE	
33	15G31A0103	BESTHA BHARGAVI	CE	



Year/Sem: III-I &amp; IV-I

## A Certificate Program on "Mastering Bitumen for Better Roads &amp; Innovative Applications"

Academic Year:2017-2018

S.I.no	Roll No.	Name of the Student	Department	Student Signature
34	15G31A0104	BOBBORI RAJESH	CE	Rajesh
35	15G31A0105	CHAKALI PARAMESH	CE	Paramesh
36	15G31A0106	CHAKALI SIVAMURTHY	CE	Sivamurthy
37	15G31A0107	CHAKALI VIRUPAKSHI	CE	Virupakshi
38	15G31A0108	DIVAN MOHAMMED OVAISE KHADRI	CE	D. Khadri
39	15G31A0109	GORIGE LALITHA	CE	G. Lalitha
40	15G31A0110	JATPOL IMRAN	CE	J. Imran
41	15G31A0117	SHEKHA SABEER	CE	Sabeer
42	15G31A0118	THATIKONDA VEERANJANEYULU	CE	T.V
43	15G31A0119	GOOLYAM SANTHA KUMAR	CE	S.K
44	15G31A0120	BOYA LAKSHMANA SWAMY	CE	B. Lakshmana
45	15G31A0121	CHAKALI SIVA LINGADU	CE	SIVA
46	15G31A0122	D KIRANMAI	CE	D Kiran
47	15G31A0134	KUMMARI RAVI	CE	Ravi
48	15G31A0135	VADDE MOHAN	CE	Mohan
49	15G31A0136	Y P MUNI SWAMY	CE	YPM Swamy
50	16G35A0102	MALA SIVA PRASAD	CE	<del>M. Siva Prasad</del>
51	16G35A0103	THUMMALURU VENKATESWAR REDDY	CE	Reddy
52	16G35A0104	MADIGA PURUSHOTHAM	CE	MP
53	16G35A0105	SYED RAIZUR RAHMAN	CE	RAS
54	11G31A0127	P RAKESH KUMAR	CE	PRK
55	159G1A0101	C ANKALAMMA	CE	C Ankamma

*cinu*  
Co-ordinator

M. Depak  
HOD

HOD  
Civil Engineering Department  
St. John's College of Engg. & Tech., Yerravada





DEPARTMENT OF CIVIL ENGINEERING

Day-Wise Attendance Sheet

Academic Year: 2017-2018

Course Duration: 28 DAYS

Time: 09.30 AM to 12.30 PM

Course Commencement Date: 06.06.2017

Course Title: "MASTERING BITUMEN FOR BETTER ROADS & INNOVATIVE APPLICATIONS"

S.No	Regd. No.	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 6	DAY 7	DAY 8	DAY 9	DAY 10	DAY 11	DAY 12	DAY 13	DAY 14	DAY 15	DAY 16	DAY 17	DAY 18	DAY 19	DAY 20	DAY 21	DAY 22	DAY 23	DAY 24	DAY 25	DAY 26	DAY 27	DAY 28
1	14G31A0101	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	14G31A0104	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	14G31A0105	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	14G31A0106	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	14G31A0107	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	14G31A0108	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	14G31A0109	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	14G31A0110	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A	P	P
9	14G31A0111	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	14G31A0112	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	14G31A0113	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P
12	14G31A0116	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	14G31A0117	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	14G31A0118	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	14G31A0119	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	14G31A0130	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	14G31A0131	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	14G31A0132	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	14G31A0133	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	14G31A0135	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	14G31A0136	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
22	14G31A0137	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	14G31A0138	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
24	14G31A0140	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	14G31A0141	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	14G31A0142	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	15G35A0101	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	15G35A0102	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	15G35A0103	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
30	15G35A0104	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	15G31A0101	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	15G31A0102	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	15G31A0103	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
34	15G31A0104	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
35	15G31A0105	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
36	15G31A0106	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
37	15G31A0107	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
38	15G31A0108	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P