



## ST. JOSEPH'S DEGREE & PG COLLEGE

(Autonomous), Affiliated to Osmania University  
Re-accredited by NAAC (3<sup>rd</sup> Cycle) with B++ Grade  
King Koti Road, Hyderabad



### Report on seminar "Automation through Sensors"

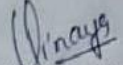
**Date** : 30<sup>th</sup> November 2021  
**Organized by** : Institution's Innovation Council (IIC) in association with department of Physics & Electronics.  
**Target Group** : All registered students.  
**Resource Person** : Dr. P. Chandra shekar, Director & Management Consultant 7S Technologies (Formerly Technique Design Group), Secunderabad.  
**Coordinators** : Mr. R. Ashok Kumar and Ms. Amtul Fatima.  
**Student Coordinators**: BijliBigy – B. Sc MSCs IIIB, Tamanna Agarwal – B. Com 1B Gen, MahalakshmiKatari – BBA II & R. Sreestuti BA JPE II.

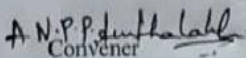
**Objective:** To provide technical information and knowledge on Automation using various sensors and encourage students to create innovative ideas on automaton design for real time applications and entrepreneurship.

The Institution's Innovative Council of St. Joseph's degree & PG college organized a seminar on "Automation through Sensors" on 30<sup>th</sup> November 2021 in association with department of Physics & Electronics at Joseph's Hall from 11.30 A.M to 1.00 PM. A total of 226 students and two faculty members attended the seminar, the main objective of the seminar was to provide information and knowledge on how to design and create automation using various sensors for better control, process and security in various sectors like home automation system, health system, industrial and commercial systems, robotics, IoT based systems etc.

After the prayer and brief introduction about resource person, the resource person Dr. P. Chandra shekar, director & management consultant of 7S Technologies was started seminar by giving introduction on automation and explained its need and uses in real time applications. Later he explained how sensors play an important role in the automation field by showing various sensors physically to the students and as well with respective automation examples through power point presentation. He concluded the seminar by sharing his experience on real time automation applications designed and constructed by his organization. The students shown their ardent interest and technical passion towards real time applications and entrepreneurship by interacting with the resource person at the end of the seminar.

**Outcome:** Students have gained information & knowledge with lot of interest towards innovation on automation for better business and society.

  
Vice-President

  
Convener

  
Principal and President

Principal

ST. JOSEPH'S DEGREE & P.G. COLLEGE  
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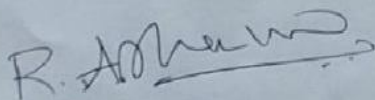


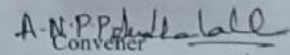
### Schedule

#### Seminar on "Automation through Sensors"

Date: 30<sup>th</sup> November 2021

- 11.30 A.M : Welcome speech by Bijilybigy and welcoming the speaker
- 11.35 A.M : Prayer by R. Sreestuti.
- 11.40 A.M : Resouce person Profile by Mahalakshmi Katari.
- 11.45 A.M : Session will hand over to resource person.
- 12.50 P.M : Interaction session with students.
- 1.05 P.M : Felicitation to the speaker with memento.
- 1.10 P.M : Vote of thanks by Tamanna Agarwal.

  
Program Co-ordinator

  
Convener



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### **Institution's Innovation Council**

#### **Seminal on "Automation through Sensors"**

#### **Profile of Dr. P. Chandra Shekar – Resource person**

**Dr. P. Chander Shekar sir, is presently Technical Director & Management Consultant, of 7S Technologies (Formerly called as Technique Design Group), Secunderabad.**

**He has completed his AMIE & MIE with Electronics engineering branch in the year 1979 & 88 respectively. He also completed M.S from Solent University, UK with specialization in Product development, Industrial Engineering (Robotics), & Market Research in the year 1994 and M.B.A from IGNOU with specialization Information Technology and Marketing in the year 1998. To his credit he completed 16 diplomas in various areas like Electrical, Firefighting & safety, multimedia and so on.**

**He also associated with Research work for more than 40 years in various Industries including computer industry and also owns an R & D CENTRE.**

**Associated with computer industry with main frames from 1978. He developed more than 3000 various industrial products. (Motorised wheel chair, Foldable stretcher and Robotic platforms –Defence Applications, Artificial Arm for amputee hand personal, Corner shot GUN for Defence Applications, Video Guided Automatic Brush (Dental Systems\_ Australia), Solar Powered cooling system and Micro Film (NANO Technology) Speaker.**

**He has worked as associate Director at Ms Color Kinetics and handled many successful projects (London Eye & Madame tussauds Wax Museum). Development of control Systems for Wilmed Global – USA (dialysis – Renetraon) and Textile and Jewellery Design and manufacturing Automation.**

**He also developed many successful india's first electronic systems like Robotic hand for BARC-1979, Earth quake Monitoring System –1985 Roorkee University, Control System for Space simulation chamber –ISRO, Control System for High vacuum high temperature furnace – DMRL, so on.**

**He guided 2000 BE/B/Tech, 120 M.Tech and 50 M.Sc students and also B.Sc & MBA students for Projects. He received 25 gold medals, 17 silver medals.**

**Three time Prime Ministers Science & Technology award winner. (Robotic Hand – Space simulation chamber – Earth quake monitoring system – Smt Indira Gandhi, Shri Rajeev Gandhi and Shri P.V Narasimha Rao).**

**Also received many other awards, including Singapore Science Centre Associate Award 1999, Philips Holland - Life time contribution for lighting Industry Award by LDA 2007 and Radio VERITAS Asia –Philippines – Optimum performance of Radio Transmitting Station 2009.**

**He presented 90 papers on Automation and conducted 500 Seminars on Robotic Applications at Various colleges, Institutions and Events. Researched & Developed 48 shops and 12 Stalls from concept to marketing on Turnkey basis. He developed Multi Media Rooms and Auditoriums for Schools and colleges. Theme based Musical Fountains and Sound and light shows. Lighting system for various cultural events.**

**He is a member of Syllabus Committees in UG and PG Autonomous Colleges (St. Josephs Degree & PG college, National Institute of fashion technology, Advanced Training Institute, St. Francis college for women and St. Ann’s Degree college for women) and conducted many seminars and courses also.**

**He also Member of Indian Society of Lighting Engineers (ISLE), Member of International Lighting Designers, Member of International Market Research Association and also Vice President of International Robotic society from 2011-2013 and again from 2016-2017.**

**He currently working on World largest clock, waterfall and artificial aquarium.**

*A.N.P. Padmalatha Rao*

*A. Ramesh*

Convener

Principal



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27/11/2021

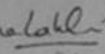
### INSTITUTION'S INNOVATION COUNCIL

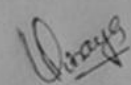
#### NOTICE


This is to inform all the students that our college **Institution's Innovation Council** is conducting seminar on "**Automation through sensors**" in association with department of **Physics & Electronics** on 30<sup>th</sup> November 2021 from 11:30 AM to 1.00 PM in Joseph's Hall, V floor main campus. Interested students can register through the given link.

Google form link for registration:

<https://forms.gle/kmLxZTuhRf45Gx6A>

A. N. P. P.   
Convener

  
Vice-President

  
Fr. Dr. D. Sunder Reddy

Principal & President

Principal

ST. JOSEPH'S DEGREE & P.G. COLLEGE  
King Koti Road, Hyderabad-500 029



2021-11-29 14:37

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**ST. JOSEPH'S**  
DEGREE & PG COLLEGE  
HYDERABAD, INDIA.



**INSTITUTION'S  
INNOVATION  
COUNCIL**  
(Ministry of Education Initiative)



**Institution's Innovation Council  
conducting a Seminar on**

# **Automation through Sensors**

**In Association with Dept. of Physics & Electronics**

**On 30 Nov 2021 from 11.30AM to 1.00 PM**

**Venue: Joseph's Hall, V Floor Main Campus**

**Vice President:**  
**Mrs. Mary Vinay Sheela**

**Convener:**  
**Mrs. A.N.P.P. Anantha Laxmi**

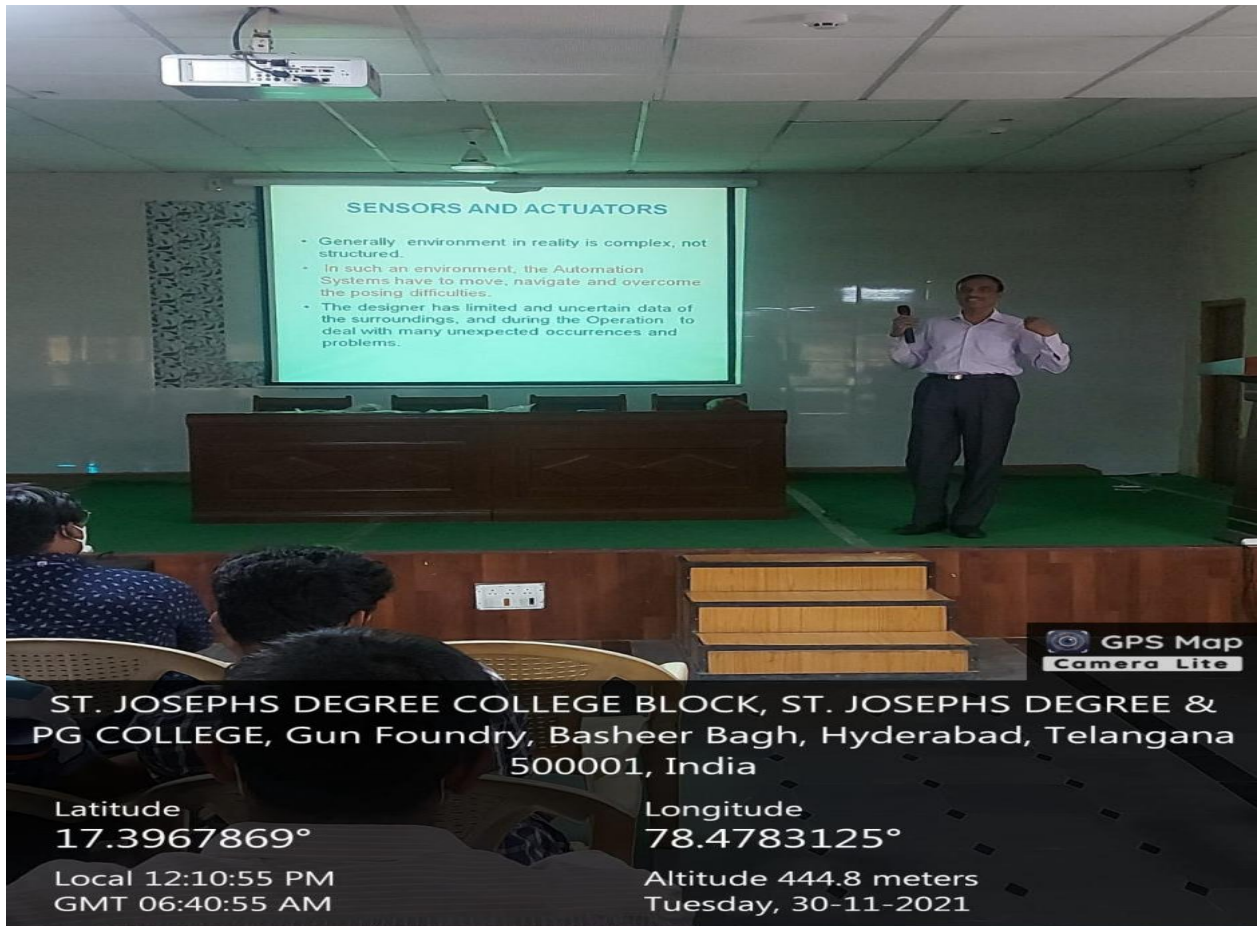
**Faculty Co-ordinators:**  
**Mr. R. Ashok Kumar**  
**Mr. S. Bhanu Prakash**  
**Mrs. Amtul Fatima**

**Student Co-ordinators:**  
**Mahalaxmi Katari, BBA-II**  
**7075772995**  
**R. Sreestuti, BA(JPE)-II**  
**6303890049**  
**Tamanna Agarwal, BCom-1B**  
**8121253275**

**Resource Person:**  
**Dr. P. Chandra Shekar**  
**Director**  
**Technique Design Group**



**Fr. Dr. D. Sunder Reddy**  
President & Principal



ST. JOSEPHS DEGREE COLLEGE BLOCK, ST. JOSEPHS DEGREE & PG COLLEGE, Gun Foundry, Basheer Bagh, Hyderabad, Telangana 500001, India

Latitude  
17.3967869°

Local 12:10:55 PM  
GMT 06:40:55 AM

Longitude  
78.4783125°

Altitude 444.8 meters  
Tuesday, 30-11-2021



Hyderabad, Telangana, India

ST. JOSEPHS DEGREE COLLEGE BLOCK, ST. JOSEPHS DEGREE & PG COLLEGE, Gun Foundry, Basheer Bagh, Hyderabad, Telangana 500001, India

Lat 17.396793°

Long 78.478308°

30/11/21 12:39 PM



ST. JOSEPHS DEGREE COLLEGE BLOCK,  
ST. JOSEPHS DEGREE & PG COLLEGE,  
Gun Foundry, Basheer Bagh, Hyderabad,  
Telangana 500001, India

Latitude **17.396910°** Longitude **78.478420°**

LOCAL 11:47:42 TUESDAY 11.30.2021  
GMT 06:17:42 ALTITUDE 450 METER



ST. JOSEPHS DEGREE COLLEGE BLOCK, ST. JOSEPHS DEGREE &  
PG COLLEGE, Gun Foundry, Basheer Bagh, Hyderabad, Telangana  
500001, India

Latitude **17.3968659°** Longitude **78.4784757°**

Local 01:24:12 PM Altitude 439.7 meters  
GMT 07:54:12 AM Tuesday, 30-11-2021



ST. JOSEPHS DEGREE COLLEGE BLOCK, ST. JOSEPHS DEGREE & PG COLLEGE,  
Gun Foundry, Basheer Bagh, Hyderabad, Telangana 500001, India

Latitude **17.39673731°** Longitude **78.47840462°**

Local 12:12:31 PM Altitude 441.9 meters  
GMT 06:42:31 AM Tuesday, 30-11-2021



Inbox (119) - ashok@josephscol... My Drive - Google Drive St. Joseph's Degree & PG Colleg... +

docs.google.com/forms/d/1lrAz6FikmXJTSk5z7UhkGUjfb8j8XkYn0dAP4HtLEc/edit

Questions Responses 168 Settings

Section 1 of 2

# ST. JOSEPH'S DEGREE & PG COLLEGE

Form description

**Email \***

Valid email

This form is collecting emails. [Change settings](#)

After section 1 Continue to next section

Section 2 of 2

# INSTITUTION'S INNOVATION COUNCIL

Description (optional)

St. Joseph's Degree...zip Show all

Type here to search 21:05 05-12-2021

Inbox (119) - ashok@josephscol... My Drive - Google Drive St. Joseph's Degree & PG Colleg... +

docs.google.com/forms/d/1lrAz6FikmXJTSk5z7UhkGUjfb8j8XkYn0dAP4HtLEc/edit

Group and Year \*

Short answer text

Roll Number \*

Short answer text

Phone Number \*

Short answer text

Reason for interest in Technology Entrepreneurship and Innovation

Long answer text

St. Joseph's Degree...zip Show all

Type here to search 21:06 05-12-2021

Timestamp	Username	Name of the Student	Group and Year	Roll Number	Phone Number	Reason for interest in Technology Entrepreneurship and Innovation
2021/11/29 4:54:30 PM	121420474003@josephsc	Sai charan	Bsc MEC's 2nd year	121420474003	9032277009	
2021/11/29 4:55:08 PM	121420474005@josephsc	M.Pradeep	Mecs 2nd year	121420474005	9398558587	To be aware of everything!
2021/11/29 4:56:26 PM	vemulakiran.19@gmail.c	Vemula Kiran Kumar	B.Sc(MECs)-3rd Yr	1214-19-474-024	9989935952	To get familiar with automation through sensors
2021/11/29 4:57:42 PM	121420474039@josephsc	A.vamshi ram	2nd year,bsc/mecs	121428474039	6281415041	For
2021/11/29 4:58:10 PM	hemanthchandra49@gm	Muthyala Hemanth Ch	B.sc (Mecs) 3	121419474030	8688642789	It can be useful to my major projects.
2021/11/29 5:05:25 PM	121420474001@josephsc	Bandari Chandana	BSC.MEC-2A	121420474001	6303464273	I want to know about it.
2021/11/29 5:05:33 PM	siddharthadatia23@gma	Siddharth p adatia	Bsc(mecs)-3rd year	121419474032	9490441351	
2021/11/29 5:15:03 PM	a.jashwa.18@gmail.com	Ashanolu Jashwa	BSc (MECs) 3rd year	121419474002	9154940122	
2021/11/29 5:16:46 PM	sohanmudhiraj24@gmai	K.sohan	Bsc mecs 2nd year	121420474011	9391433244	
2021/11/29 5:19:13 PM	karthikbellamkonda042@	Bellamkonda karthik	Bsc- mecs 2021	121420474027	6301782534	Learn new things and explore my knowledge
2021/11/29 5:19:39 PM	121420474032@josephsc	Vijay Ashish	Bsc(mecs)	121420474032	6303812302	helps me in future
2021/11/29 5:20:33 PM	121420474034@josephsc	N. Akhil	2nd yr bsc mecs	121420474034	9154157100	I like mechanisms and robots from childhood.. Can for many magics with mechanism
2021/11/29 5:21:52 PM	121419474004@josephsc	Bhavani Desai	Bsc(mecs) 2nd year	1214-19-474-004	9390401707	
2021/11/29 5:23:04 PM	121420467025@josephsc	Banda vinay kumar	BSc MSCs	121420467025	7981934688	
2021/11/29 5:24:10 PM	sahanakami@gmail.com	Kami.Sahana	B.sc mpcs final year	121419468009	8309661868	To develop my career skills
2021/11/29 5:25:04 PM	121419468002@josephsc	Akash dubey	Bsc(mpcs)	121419468002	8709690285	I m interested
2021/11/29 5:28:07 PM	js602651@gmail.com	Sappagu john	Bsc Mpcs 3A	121419468038	9502450211	For understanding listening new technology
2021/11/29 5:32:02 PM	121419474005@josephsc	D Akhilesh Rao patil	BSC(MECS)	121419474005	8686479685	
2021/11/29 5:32:46 PM	rohanvishal208@gmail.c	Vishal Singh	BBA-IT 2nd Year	121420408040	9398956464	T-shaped professional in the industry
2021/11/29 5:42:22 PM	sofiyakhnan347@gmail.c	Sofiya sultana	Bsc MPCs-3A	121419468108	9951377726	
2021/11/29 5:50:18 PM	121421410009@josephsc	Harsh bajaj	Bba ba 1st year	121421410009	8309404085	For starting any business technology is very important in today's world and with technology innovation becomes very easy
2021/11/29 5:53:29 PM	121420468019@josephsc	Syed Aziz	BSc MPCs - II Year	121420468019	9885254374	Interesting
2021/11/29 5:57:47 PM	121420406023@josephsc	Simaarjeet singh sethi	General 2nd	121420406023	8398757150	
2021/11/29 5:59:12 PM	rajivbhैया10@gmail.co	Rajiv bhैया	Bba ent 1st year	60	8897223707	It's future
2021/11/29 6:02:10 PM	121420474009@josephsc	S.Rohan Reddy	2 yr BSc.MECs (2a)	121420474009	9347550285	I need to know what entrepreneurship and what is the use of it
2021/11/29 6:06:57 PM	sahiththirunagari300@g	Sahith Thirunagari	BSC(MPCs)-3A	121419468033	8096048032	My pursuing subject is related to that topic. It may useful after my graduation
2021/11/29 6:08:53 PM	hajerakaunain77@gmai	Hajera Kaunain	B.com(general)-1yea	121421401059	8526657777	
2021/11/29 6:10:14 PM	saiyeshwanth848@gmai	Sai yashwanth	Bcom general 2A	31	9515785852	
2021/11/29 6:10:21 PM	badritinku123@gmail.co	T Badri narayana	Bsc mpcs 3rd year	121419468020	9959305946	To have a glance at this topic and also useful in future days
2021/11/29 6:23:02 PM	rohithy10@gmail.com	Yemeni Rohith	BSC Mpc's -IIIA	121419468022	6303638941	I'm interested in all types of technologys
2021/11/29 6:25:40 PM	121420474020@josephsc	P. Venkata krishna	Bsc MECs 2nd year	121420474020	8309372409	Passionate on learning new things
2021/11/29 6:28:46 PM	ramanareddy2679@gmai	S.Ramana Reddy	2nd yr bba(ba)	121420410023	9640221719	.
2021/11/29 6:30:18 PM	bbaba121420410041@jos	K. Rajender Reddy	BBA - BA (2nd Year)	121420410041	9553641857	
2021/11/29 6:31:52 PM	121419468003@josephsc	Bharath patil	Bsc 3 year	121419468003	9347073506	
						Interested in entrepreneurship

S. No	Roll No	Name of the Student	Group	Year	Signature
1	05	B. B. B. B.	B. Com (General)	1st year	[Signature]
2	04	H. C. Reddy	B. Com (General)	1st year	[Signature]
3	07	K. C. Reddy	B. Com (General)	2nd year	[Signature]
4	015	N. Prasad Kumar	B. Com (General)	2nd year	[Signature]
5	03	G. Vinay Kumar	B. Com (General)	1st year	[Signature]
6	22	S. K. Reddy	B. Com (General)	1st year	[Signature]
7	32	B. B. B. B.	B. Com (General)	2nd year	[Signature]
8	44	S. K. Reddy	B. Com (General)	1st year	[Signature]
9	30	V. B. B. B.	B. Com (General)	1st year	[Signature]
10	52	S. K. Reddy	B. Com (General)	1st year	[Signature]
11	02	K. C. Reddy	B. Com (General)	1st year	[Signature]
12	07	S. K. Reddy	B. Com (General)	1st year	[Signature]
13	03	B. B. B. B.	B. Com (General)	1st year	[Signature]
14	034	S. K. Reddy	B. Com (General)	1st year	[Signature]
15	015	G. V. B. B.	B. Com (General)	1st year	[Signature]
16	012	N. B. B. B.	B. Com (General)	1st year	[Signature]
17	35	S. K. Reddy	B. Com (General)	1st year	[Signature]
18	18	P. B. B. B.	B. Com (General)	1st year	[Signature]
19	30	S. K. Reddy	B. Com (General)	1st year	[Signature]
20	04	P. B. B. B.	B. Com (General)	1st year	[Signature]
21	010	S. K. Reddy	B. Com (General)	1st year	[Signature]
22	020	M. B. B. B.	B. Com (General)	1st year	[Signature]
23	013	S. K. Reddy	B. Com (General)	1st year	[Signature]
24	010	M. B. B. B.	B. Com (General)	1st year	[Signature]
25	010	G. V. B. B.	B. Com (General)	1st year	[Signature]

S. No	Roll No	Name of the Student	Group	Year	Signature
15	121420401002	Anshul Gupta	Biology	II	Anshul
16	121420401010	Darshan Kumar	Biology	II	Darshan
17	121420401044	K. Taran	Biology	II	Taran
18	121420401008	CHETAN TUSAR	Biology	II	Chetan
19	121420401057	Saad Mohammed	Biology	IIA	Saad
20	121420401020	RISHABH HEPA	Biology	IIA	Rishabh
21	121419474030	M. Hanumanth Chandra	Biology	IIIA	Hanumanth
22	121419474024	V. Kiran Kumar	Biology	IIIA	Kiran
23	121419474021	V. Yuvakrishna	Biology	IIIA	Yuvakrishna
24	121419474032	Siddhant P. Adhikari	Biology	IIIA	Siddhant
25	121420401026	Veeresh Modi	Biology	IIA	Veeresh
26	121420401029	Shakdi Anand	Biology	IIA	Shakdi
27	121420401026	Vahni Sharma	Biology	II C	Vahni
28	121420401024	Ankit Mishra	Biology	II C	Ankit
29	121420401045	Sudh	Biology	II H	Sudh
30	121420401038	Yash Sharma	Biology	II A	Yash
31	121419474019	Hobby Pan	Biology	IIIA	Hobby
32	121419474016	Mahendra Sahu	Biology	IIIA	Mahendra
33	121420401050	T. Babu Reddy	Biology	II C	T. Babu
34	121420401031	M. Bharu Teja	Biology	II A	Bharu
35	121420401012	Yashwanth	Biology	II A	Yashwanth
36	121420401022	Sathwik	Biology	II A	Sathwik
37	121420401009	Rohan	Biology	II A	Rohan
38	121420401020	Venkat	Biology	II A	Venkat

39	121420401019	Kiran	Biology	II A	Kiran
40	121420401034	Ashu	Biology	II A	Ashu
41	121420401004	Uday	Biology	II A	Uday
42	121420401026	Masoom	Biology	II A	Masoom
43	121420401005	Pandeep	Biology	II A	Pandeep

S. No	Roll No	Name of the Student	Group	Year	Signature
1	89	P Manoj	B.Com	1 <sup>st</sup> year	P Manoj
2	37	Nithin	B.Com	1 <sup>st</sup> year	Nithin
3	19	Kaushik	B.Com	1 <sup>st</sup> year	Kaushik
4	09	dixit	B.Com	1 <sup>st</sup> year	dixit
5	50	Yash	B.Com	1 <sup>st</sup> year	Yash
6	110	Rudraksh	B.Com	1 <sup>st</sup> yr	Rudraksh
7	99	Hemant Nardhya	B.Com	1 <sup>st</sup> yr	Hemant
8	106	Abhishek Jha	B.Com	1 <sup>st</sup> year	Abhishek
9	112	Ganesh	B.Com	1 <sup>st</sup> year	Ganesh
10	10	Shiv Francis	A.Com	1 <sup>st</sup> year	Shiv
11	45	Muzammar Ahmed	IFA	2 <sup>nd</sup> year	Muzammar
12	16	Md. Mustafa Fuzayyan	IFA-2	2 <sup>nd</sup> year	Fuzayyan
13	21	Nikhil Athana	IFA-2	2 <sup>nd</sup> yr	Nikhil
14	11	Kamshetty Vinay Kumar	IFA-2	2 <sup>nd</sup> year	Vinay
15	27	Shreeya Sheoran	IFA-2	2 <sup>nd</sup> year	Shreeya
16	15	Ayaz	IFA-2	2 <sup>nd</sup> yr	Ayaz
17	15	Arun Teja	IFA-2	2 <sup>nd</sup> yr	Arun Teja
18	18	Sufiyan	IFA	2 <sup>nd</sup> yr	Sufiyan
19	5	Chinmay	IFA-2	2 <sup>nd</sup> yr	Chinmay
20	07	Fahad	IFA-2	2 <sup>nd</sup> year	Fahad
21	18	Kanchan	B.Com	I Year	Kanchan
22	06	Chanchal	B.Com	I Year	Chanchal
23	036	Saboni. Savita	B.Com	I Year	Saboni
24	01	Aditya Agrawal	B.Com	I Year	Aditya
25	02	Aastha Jain	B.Com	I Year	Aastha

