

A Seminar on

Industrial IoT: Overview & Applications

Dr. D B Sadaphale

Activity Report

Academic Year	2024-25
Program Driven by	
Quarter	III
Program / Activity Name	Capacity Building Program
Program Type	
Program Theme	Innovation and startups
Start Date	29-03-2025
End Date	29-03-2025
Duration of the Activity (in Mins)	60
Number of Student Participant	0
Number of Faculty Participant	70
Number of external Participant	--
Expenditure Amount in Rs.	
Any Remark	--
Mode of Session Delivery	Offline
Objective	
Benefit in terms of Learning / Skills / Knowledge obtained	
Feedback	
Video url (mp4)	
Photograph 1 (jpg)	Attached
Photograph 2 (jpg)	Attached
Overall report of the Activity (pdf)	As given below



Dr. P. H. Zope
Convener IIC



Title:

Industrial IoT: Overview & Applications

Speaker:

Dr. D. B. Sadaphale

Date:

[29-03-25]

Venue:

[SSBT COET Bambhori]

1. Introduction

The seminar on "**Industrial IoT: Overview & Applications**" was presented by **Dr. D. B. Sadaphale**, an expert in the field of Industrial Internet of Things (IIoT). The session aimed to introduce attendees to the concept of IIoT, its key components, and its transformative impact on industries ranging from manufacturing to logistics and energy. Dr. Sadaphale provided a thorough overview of the IIoT ecosystem and showcased how this technology is driving efficiency, productivity, and innovation in industrial operations.

The seminar attracted a wide audience, including students, professionals, and researchers from fields such as engineering, manufacturing, and technology.

2. Objectives of the Seminar

- To introduce **Industrial IoT (IIoT)** and its importance in modern industries.
 - To explore the key components and technologies that power IIoT systems.
 - To discuss the real-world applications of IIoT in various industrial sectors.
 - To highlight the challenges and future trends in IIoT adoption.
-

3. Key Highlights of the Seminar

a. Introduction to Industrial IoT (IIoT)

Dr. Sadaphale began the seminar by providing a clear definition of **Industrial IoT (IIoT)**. He explained that IIoT is a network of connected devices, sensors, machines, and systems used in industrial applications. These devices collect, exchange, and analyze data to optimize processes, improve decision-making, and enhance operational efficiency.

Dr. Sadaphale emphasized that IIoT goes beyond simple connectivity. It enables **data-driven insights** through the integration of **sensors**, **cloud computing**, and **advanced analytics**, allowing industries to automate, monitor, and optimize their operations in real-time.

b. Key Components of IIoT

Dr. Sadaphale outlined the essential components that make up an IIoT system:

- **Sensors and Devices:**
These are the physical components embedded in machines and equipment to collect real-time data. Examples include temperature sensors, pressure sensors, vibration sensors, and flow meters.
- **Connectivity:**
The data collected by sensors is transmitted through various communication technologies such as **Wi-Fi**, **Bluetooth**, **5G**, **LPWAN**, or **ethernet** to centralized systems for processing and analysis.
- **Edge Computing:**
Edge computing refers to processing data closer to where it is generated, at the edge of the network. This minimizes latency and ensures faster response times, which is critical for real-time decision-making in industrial environments.
- **Cloud Computing:**
Cloud platforms enable scalable storage and processing of large volumes of data. They provide a centralized location for data analysis and enable industries to implement advanced analytics, machine learning, and AI algorithms.
- **Data Analytics and Machine Learning:**
The heart of IIoT lies in its ability to analyze data from various sources and make actionable predictions or insights. Dr. Sadaphale emphasized the role of **machine learning algorithms** that help in predictive maintenance, process optimization, and quality control.

c. Applications of Industrial IoT

Dr. Sadaphale highlighted several industries where IIoT has already made a significant impact:

- **Manufacturing:**
IIoT is revolutionizing manufacturing by enabling **smart factories**. Sensors and machines are interconnected to monitor production lines, track machine performance, and ensure quality control in real-time. This allows manufacturers to minimize downtime, optimize resource allocation, and reduce operational costs.
- **Predictive Maintenance:**
One of the most impactful applications of IIoT is **predictive maintenance**. By continuously monitoring equipment conditions, IIoT systems can predict when a machine is likely to fail, enabling manufacturers to perform maintenance before a breakdown occurs. This leads to reduced downtime, lower maintenance costs, and increased asset lifespan.
- **Supply Chain Management:**
IIoT allows for better tracking of goods in the supply chain. Sensors in inventory, packaging, and transport vehicles provide real-time updates on the location, temperature, and condition of products, improving traceability and reducing losses.
- **Energy and Utilities:**
IIoT is enhancing the efficiency of energy management systems. By monitoring energy consumption patterns, businesses can optimize their energy use, reduce waste, and lower costs. In utilities, IIoT helps monitor pipelines, water levels, and electrical grids, ensuring better management of resources and quicker response to emergencies.
- **Agriculture:**
IIoT is being applied in **precision agriculture**, where sensors and devices are used to monitor soil moisture, temperature, and crop health. This allows farmers to optimize irrigation schedules, improve crop yields, and reduce the use of fertilizers and water, contributing to sustainability.
- **Smart Buildings:**
In smart buildings, IIoT sensors monitor and control systems such as HVAC (heating, ventilation, and air conditioning), lighting, and security. These systems ensure optimal energy usage, enhance occupant comfort, and improve safety by providing real-time alerts.

d. Benefits of IIoT

Dr. Sadaphale discussed several benefits of adopting IIoT:

- **Increased Efficiency:**
Automation, real-time data collection, and analysis lead to more efficient operations, reduced human errors, and optimized production processes.
- **Cost Savings:**
Predictive maintenance and process optimization reduce downtime, repair costs, and wastage, resulting in significant cost savings over time.
- **Improved Safety:**
Real-time monitoring and early detection of anomalies help prevent accidents and improve workplace safety.

- **Enhanced Decision-Making:**
Data-driven insights from IIoT systems enable better and faster decision-making, helping companies respond quickly to market demands and changing conditions.

e. Challenges in Implementing IIoT

Despite the immense potential of IIoT, Dr. Sadaphale noted several challenges in its implementation:

- **Data Security and Privacy:**
The increasing connectivity of industrial systems raises concerns about data security and privacy. Protecting sensitive data from cyberattacks and ensuring secure communication channels is critical for IIoT adoption.
- **Interoperability:**
The integration of diverse IIoT devices, sensors, and systems from multiple vendors can create interoperability challenges, especially when legacy systems are involved.
- **High Initial Costs:**
Implementing IIoT solutions requires significant investment in infrastructure, sensors, devices, and skilled personnel. The high upfront costs may deter small and medium-sized enterprises (SMEs) from adopting IIoT technologies.
- **Skill Gap:**
The successful implementation of IIoT requires skilled professionals who understand both industrial processes and emerging technologies. There is a shortage of such skilled personnel, which hinders widespread adoption.

f. Future Trends of IIoT

Looking forward, Dr. Sadaphale expressed optimism about the future of IIoT. The **adoption of 5G networks** will enable faster and more reliable communication between IoT devices, making real-time data processing even more effective. Additionally, the integration of **AI and machine learning** will continue to drive innovations in predictive analytics, automation, and optimization across industries.

4. Interactive Session

During the Q&A session, attendees asked Dr. Sadaphale about the following topics:


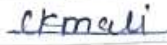

















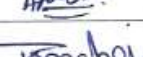
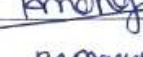
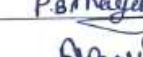

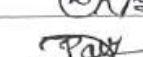

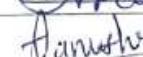
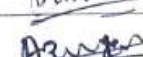
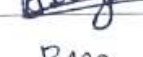


- How IIoT can be integrated into existing manufacturing setups without significant disruption.
- The role of IIoT in enhancing the sustainability of industrial operations.
- The potential impact of IIoT on supply chain resilience, especially in the face of global disruptions like the COVID-19 pandemic.

Dr. Sadaphale provided detailed responses, offering practical advice on overcoming implementation challenges and highlighting IIoT's importance in improving industry resilience.

5. Conclusion

The seminar concluded with a recap of the critical points discussed. Dr. D. B. Sadaphale reaffirmed that **Industrial IoT (IIoT)** is not just a passing trend but a transformative technology that is reshaping industries globally. As IIoT continues to evolve, it holds the potential to drive **greater efficiency, sustainability, and profitability** across sectors, from manufacturing to energy management and beyond. He encouraged the attendees to embrace IIoT technologies, as they will be crucial for staying competitive in the future.



Roll no.	Name	Sign
54	Kalyani Bapu pati	
17	Chaitali K. Mali	
60	Megha Manoj Patil	
45	Devayani Samadhan Patil	
74	Shruti Kiran Patil	
73	Shrushti Rakesh Patil	
80	Teena Hemraj Patil	
28	Nizgala Natendra Narkhede	
33	Vishakha Pramod Nikam	
46	Devyani Pravin Patil	
38	Ankita Sanjay Patil	
41	Rutuja Ravindra Patil	
32	Lavanya Santosh Nikam	
83	Pranjal Mukunda Patil	
02	Bhagyashree Anant Khewalkar	
79	Tanvi Vinesh Singh Patil	
70	Ranjana Dnyaneshwar Patil	
19	Prapti Shrawan Mali	
53	Jayshree G. Patil	
08	Bhumiika Dilip Mahajan	
10	Khushi Rajendra Mahajan	
06	Priyanka Bhagwan Magare	
39	Ankita Vilas Patil	
37	Keerti Kaduba Pordeshi	
36	Trupti Dyaneshwar Palve	
55	Khushi Vinayak Patil	
78	Tanushree Pandharinath Patil	
07	Aniket Balwant Mahajan	
05	Prajwal Vinod Machankar	
59	Mayur Surgh Patil	

Sr.No	Name of Student	Sign.	Roll No.
1)	Utkarsha S. Patil	<u>Utkarsha</u>	2
2)	Tanvi Vinod kulkarni	<u>Kulkarni</u>	62
3)	Utkarsha S. Suryawanshi	<u>US</u>	38
4)	Gayatri Tushar Shingate	<u>Gayatri</u>	26
5)	Simran Shawaka Tadari	<u>Tadari</u>	41
6)	Mansi suresh shirade	<u>Shirade</u>	27
7)	Snigdha Ratilal Patil	<u>Patil</u>	71
8)	Sejal Dipak Sandhanshiv	<u>Sandhanshiv</u>	21
9)	Pradnya Vijay Nikam	<u>Pradnya</u>	67
10)	Saniya Javed Shaikh	<u>Saniya</u>	74
11)	Gauri Vijay Sonar	<u>Gauri</u>	75
12)	Chhayashree Pralhal Patil	<u>Patil</u>	69
13)	Vaibhavi vinayak patil	<u>Vaibhavi</u>	3
14)	Troiveni Ashok Solanki	<u>Troiveni</u>	29
15)	Abhijeet Girish Patil	<u>Patil</u>	68
16)	Shreyas Vijay Sangore	<u>Shreyas</u>	72
17)	Varad Anil Akkavadi	<u>Varad</u>	55
18)	Aryan Kamal Bajaj	<u>Aryan</u>	53
19)	Reham Akiloddin Shaikh	<u>Reham</u>	73
20)	Ganesh P. Sushir	<u>G.P. Sushir</u>	40
21)	Yogeshwar Sapan Wagh	<u>Yogeshwar</u>	51
22)	OM Rajendra Talele	<u>Talele</u>	43
23)	Chandheesant Devadas Ahire	<u>Ahire</u>	54
24)	Faizan Lukman Tadvi	<u>Faizan</u>	79
25)	Kalpesh Ananda Sonawane	<u>Kalpesh</u>	31
26)	Chiranjay Digambar Rajput	<u>Chiranjay</u>	16

Roll No	Name	Sign
23	Aditya Arun more	<u>Aditya</u>
65	Pratik Rajesh Patil	<u>Pratik</u>
66	Prathmesh Avinash Patil	<u>Prathesh</u>
26	Kunal Vasant Nannaware	<u>Kunal</u>
03	Amol Govinda Kumbhar	<u>Amol</u>
04	Ramchandra Bhatu Lohar	<u>Ramchandra</u>
50	Harshal Bharat Patil	<u>Harshal</u>
12	Pranav Bhaskar Mahajan	<u>Pranav</u>
13	Sumit Vinod Mahajan	<u>Sumit</u>

Attendance Sheet

Date and Sign		15/03/25	29/03/25	
SN	Name of faculty Member	Dept.		
1	Dr. P.A. Shirule	Civil		02
2	Dr. F.I. Chavan	Civil		04
3	Dr. Sonali B. Patil	Civil		03
4	Mr. J.N. Kale	Civil		03
5	Ms. Jyoti R. Mali	Civil		05
6	Pankaj Ramdas Punase	Civil		03
7	Ms. Dipika Purushottam Mali	Civil		01
8	Kalyani Ganesh Bendale	Civil		00
9	Dr. K.P. Adhiya	Computer		04
10	Dr. Manoj E Patil	Computer		04
11	Mr. Ashish T. Bhole	Computer		04
12	Dr. Akash D. Waghmare	Computer		06
13	Dr. Dnyaneshwar K. Kirange	Computer		06
14	Dr. Pankaj H. Zope	Computer		03
15	Dr. Surendra P. Ramteke	Computer		06
16	Ms. Shital A. Patil	Computer		03
17	Mr. Sarkarsinha Harshinha Rajput	Computer		05
18	Mr. Mohan Pramod Patil	Computer		05
19	Mr. Ramkrishna Hari Patil	Computer		05
20	Mr. Pramodgiri B. Gosavi	Computer		02
21	Ms. Priyanka Vinod Medhe	Computer		06
22	Mr. Krunal Chadrashekhwar Pawar	Computer		03
23	Ms. Pooja Mukundrao Khandar	Computer		03
24	Ms. Ashwini Arun Kakde	Computer		03
25	Ms. Mayuri Rajesh Chandratre	Computer		04
26	Ms. Shama S Pawar	Computer		03
27	Mr. Mohammed Shafique Shaikh	Computer		05
28	Ms. Tejashri Anil Patil	Computer		—
29	Ms. Prachi Pushkaraj Chaudhari	Computer		—
30	Ms. Utkarsha Prmod Narkhede	Computer		—
31	Ms. Soniya Premraj Chaudhari	Computer		—
32	Ms. Dipali Daulatrao Phadat	Computer		—
33	Mr. V. S. Pawar	Electrical		03
Pranesh S. Sarda		02/12		02

Attendance Sheet

SN	Date and Sign	Name of faculty Member	Dept.	15/03/25	29/03/25	
34		Mr. M. Mujtahid Ansari	Electrical			05
35		Dr. Suhas M. Shembekar	Electrical		—	04
36		Dr. Rajesh R. Karhe	Electrical			04
37		Mr. Muqem Khan	Electrical	—		04
38		Mr. Tanveer Khatik	Electrical		—	04
39		Mr. Vijay Abaji Shinde	Electrical			02
40		Dr. M.P. Deshmukh	E&TC	—		04
41		Dr. V.M. Deshmukh	E&TC			04
42		Dr. N.M. Kazi	E&TC			04
43		Dr. Atul H. Karode	E&TC		—	04
44		Mr. Sunil K. Khode	E&TC		—	03
45		Ms. Rajashri B. Patil	E&TC			05
46		Dr. P.G. Damle	Mechanical		—	04
47		Mr. N. K. Patil	Mechanical	—		04
48		Dr. K. Shrivastav	Mechanical		—	02
49		Dr. Devendra B. Sadaphale	Mechanical			04
50		Dr. P. M. Solanki	Mechanical		—	04
51		Dr. Ajay R. Bhardwaj	Mechanical			03
52		Dr. Dipak C. Talele	Mechanical			05
53		Dr. Vijay R. Diware	Chemical	—		04
54		Dr. S. A. Thakur	Chemical	—	—	03
55		Mr. V. P. Sangore	Chemical	—		04
56		Mrs. Sarika S. Pawar	Chemical		—	03
57		Mrs. Ruchita S. Naik	Chemical		—	04
58		Dr. Sandip S. Patil	First Year			05
59		Dr. K. S. Patil	First Year	—	—	02
60		Dr. Sunita S. Patil	First Year	—		04
61		Dr. Prashant N. Ulhe	First Year			05
62		Mr. Amol Chandrakan Wani	First Year	—	—	03
63		Ms. Priti Ramesh Sharma	First Year		—	02
64		C.U. Nikam	First Year		—	01

Attendance Sheet

Date and Sign		Dept		Signs 29/01/21	
Sl. No.	Name of Faculty Member	Dept			
61	Mr. Pratik D. Patel	First Year	P	P	04
62	Mr. Dhanendra J. Doshi	First Year			04
63	Mr. Mahendra S. Patel	First Year			01
64	Mr. Manoj Prasad Kulkarni	First Year			04
65	Mr. Dharmendra Chandrakant Vagade	First Year			03
66	Dr. Anand T. Patel	First Year			03
67	Mrs. Nitesh Sawant	First Year			01
68	Mr. Tarun S. Chaudhari	First Year			07
69	Mrs. Anil Dhanraj Patel	First Year			00
70	Mr. Dhanendra S. Vagade	First Year			03
71	Mrs. Poo Manoj Mali	First Year			14
72	Mr. Dhanendra S. Chaudhari	First Year			12
73	Mr. Sachin Tejendra Bhalekar	First Year			13
74	Dr. Mahesh S. Rawlani	MBA			03
75	Dr. Rishi A. Modhwar	MBA			04
76	Mr. Farooq A. Khan	MBA			04
77	Mrs. Bharti F. Joshi	MBA			05
78	Mrs. Sakshi Manoj Modhwar	MBA			04
79	Mr. Rishabh Sunil Patel	MBA			12
80	Mr. Anand Dhanraj Sawant	MBA			12
81	Dr. Manoj Dhanraj Vagade	MBA			12
82	Mr. Tejendra Dhanraj Vagade	MBA			12
83	Mr. Anand Dhanraj	MBA			12
84	Mr. Dhanendra Dhanraj	MBA			12
85	Mr. Dhanendra Dhanraj	MBA			12
86	Mr. Dhanendra Dhanraj	MBA			12
87	Mr. Dhanendra Dhanraj	MBA			12
88	Mr. Dhanendra Dhanraj	MBA			12
89	Mr. Dhanendra Dhanraj	MBA			12
90	Mr. Dhanendra Dhanraj	MBA			12
91	Mr. Dhanendra Dhanraj	MBA			12
92	Mr. Dhanendra Dhanraj	MBA			12
93	Mr. Dhanendra Dhanraj	MBA			12
94	Mr. Dhanendra Dhanraj	MBA			12
95	Mr. Dhanendra Dhanraj	MBA			12
96	Mr. Dhanendra Dhanraj	MBA			12
97	Mr. Dhanendra Dhanraj	MBA			12
98	Mr. Dhanendra Dhanraj	MBA			12
99	Mr. Dhanendra Dhanraj	MBA			12
100	Mr. Dhanendra Dhanraj	MBA			12

Attendance Sheet

SN	Name of faculty Member	Dept.	08/02/25	15/2/25	08/03/25	
1	Dr. P.A. Shirule	Civil				2
2	Dr. F.I. Chavan	Civil				2
3	Dr. Sonali B. Patil	Civil				1
4	Mr. J.N. Kale	Civil				1
5	Ms. Jyoti R. Mali	Civil				3
6	Pankaj Ramdas Punase	Civil				2
7	Ms. Dipika Purushottam Mali	Civil				0
8	Kalyani Ganesh Bendale	Civil				0
9	Dr. K.P. Adhiya	Computer				2
10	Dr. Manoj E Patil	Computer				2
11	Mr. Ashish T. Bhole	Computer				3
12	Dr. Akash D. Waghmare	Computer				3
13	Dr. Dnyaneshwar K. Kirange	Computer				2
14	Dr. Pankaj H. Zope	Computer				2
15	Dr. Surendra P. Ramteke	Computer				3
16	Ms. Shital A. Patil	Computer				1
17	Mr. Sarkarsinha Harshinha Rajput	Computer				2
18	Mr. Mohan Pramod Patil	Computer				0
19	Mr. Ramkrishna Hari Patil	Computer				3
20	Mr. Pramodgiri B. Gosavi	Computer				0
21	Ms. Priyanka Vinod Medhe	Computer				2
22	Mr. Krunal Chadrashankar Pawar	Computer				2
23	Ms. Pooja Mukundrao Khandar	Computer				2
24	Ms. Ashwini Arun Kakde	Computer				2
25	Ms. Mayuri Rajesh Chandratre	Computer				2
26	Ms. Shama S Pawar	Computer				2
27	Mr. Mohammed Shafique Shaikh	Computer				2
28	Ms. Tejashri Anil Patil	Computer				0
29	Ms. Prachi Pushkaraj Chaudhari	Computer				0
30	Ms. Utkarsha Prmod Narkhede	Computer				0
31	Ms. Soniya Premraj Chaudhari	Computer				0
32	Ms. Dipali Daulatrao Phadat	Computer				0
33	Mr. V. S. Pawar	Electrical				2

Attendance Sheet

SN	Name of faculty Member	Dept.	08/02/25	15/02/25	08/03/25	
34	Mr. M. Mujtahid Ansari	Electrical				3
35	Dr. Suhas M. Shembekar	Electrical				3
36	Dr. Rajesh R Karhe	Electrical				3
37	Mr. Muqem Khan	Electrical				3
38	Mr. Tanveer Khatik	Electrical				3
39	Mr. Vijay Abaji Shinde	Electrical				3
40	Dr. M.P. Deshmukh	E&TC				3
41	Dr. V.M. Deshmukh	E&TC				2
42	Dr. N.M. Kazi	E&TC				2
43	Dr. Atul H. Karode	E&TC				3
44	Mr. Sunil K. Khode	E&TC				3
45	Ms. Rajashri B Patil	E&TC				3
46	Dr. P.G. Damle	Mechanical				3
47	Mr. N. K. Patil	Mechanical				3
48	Dr. K. Shrivastav	Mechanical				1
49	Dr. Devendra B. Sadaphale	Mechanical				2
50	Dr. P. M. Solanki	Mechanical				3
51	Dr. Ajay R. Bhardwaj	Mechanical				3
52	Dr. Dipak C. Talele	Mechanical				3
53	Dr. Vijay R. Diware	Chemical				3
54	Dr. S. A. Thakur	Chemical				3
55	Mr. V. P. Sangore	Chemical				3
56	Mrs. Sarika S. Pawar	Chemical				3
57	Mrs. Ruchita S. Naik	Chemical				3
58	Dr. Sandip S. Patil	First Year				1
59	Dr. K. S. Patil	First Year				3
60	Dr. Sunita S. Patil	First Year				3
61	Dr. Prashant N. Ulhe	First Year				3
62	Dr. Amol Chandrakan Wani	First Year				3
63	Ms. Priti Ramesh Sharma	First Year				3
64	C.U. Nikam	First Year				1

Attendance Sheet

SN	Date and Sign	Dept.	08/02/25	15/2/2025	08/03/25	
65	Mr. Pravin D. Patil	First Year	P	P	—	2
66	Ms. Deepmala I. Desai	First Year	Desai	Desai	Desai	6
67	Mr. Mahendra B. Patil	First Year	—	—	—	0
68	Ms. Meera Prassan Kulkarni	First Year	Yashwanth	—	Yashwanth	6
69	Ms. Dhanashree Shashikant Tayade	First Year	D.	—	D.	2
70	Ujawalsing T. Patil	First Year	Patil	Patil	—	2
71	Mrs. Nancy Sawhney	First Year	—	—	—	1
72	Ms. Tanuja Y. Chouhan	First Year	—	—	Tanuja	1
73	Mrs. Anjali Darshan Patil	First Year	—	—	—	0
74	Ms. Jayashree R. Tayade	First Year	R. Tayade	R. Tayade	R. Tayade	3
75	Mrs. Puja Mayur Malu	First Year	—	Malu	Malu	2
76	Mr. Dashrath U. Chaudhari	First Year	DCM	—	DCM	2
77	Mr. Sachin Topalu Bhalerao	First Year	Sachin	Sachin	Sachin	6
78	Dr. Mahesh V. Rawlani	MBA	—	—	—	1
79	Dr. Richa A. Modiyani	MBA	R.	—	R.	2
80	Ms. Farooza A. Kazi	MBA	F.	—	F.	2
81	Mrs. Bharti P. Joshi	MBA	B.P.	B.P.	B.P.	3
82	Mrs. Sakina Mujahid Husain	MBA	Sakina	Sakina	Sakina	3
83	Mr. Rohan Suresh Patil	MBA	—	R. Patil	R. Patil	2
84	Ms. Vrushali Dinkar Sonawane	MBA	V.S.	V.S.	—	2
85	Dr. Puri Dinesh Dagadu	MCA	Puri	Puri	Puri	2
86	Ms. Sapana Ananrao Fegade	MCA	Sapana	Sapana	—	2
87	Mr. Aslan Shaikh	MCA	Aslan	Aslan	—	2
88	Ms. Dhanshee Rajendra Shinde	MCA	—	—	—	0
89	Ms. Chetana Mohan Kawale	MCA	Chetana	Chetana	Chetana	2
90	Ms. Vishakha Yadonao Pande	MCA	V. Pande	V. Pande	V. Pande	2
91	Ms. Bhagyashri Suresh Patil	MCA	—	—	B. Patil	1
92	Ms. Reeta Vinod Patil	MCA	R. Patil	R. Patil	R. Patil	2
93	Dr. Sudhir S. Patil	Library	S.	S.	—	2
94	Nikita Gokul Patil	civil	—	N. Patil	N. Patil	1
95	V. S. Pawan	steriod	Pawan	Pawan	Pawan	1
96	Aravesh Sonawane	civil	—	—	—	0