

Seminar on
**“Internet of Things (IoT): Architecture
to Applications”**

Date: Wednesday, 12/03/2025



“Education for Knowledge, Science and Culture”
-Shikshanmaharshi Dr. Bapuji Salunkhe

Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)

Internal Quality Assurance Cell
2024-25



Quality Initiatives/ Activities Report

- 1. Name of Department:** Electronics
- 2. Name of Organized Activity:** Seminar on “Internet of Things (IoT): Architecture to Applications”
- 3. Date/ Duration:** Wednesday, 12/03/2025 at 11:30am
- 4. Aims and Objectives:**
 - 1. To provide a comprehensive understanding of IoT, its components and importance.*
 - 2. Explaining the architectural layers that make up IoT systems as well as Showcase real-world applications of IoT in various industries.*
 - 3. To Inspire participants to explore new ideas and innovations in IoT technology.*
- 5. No. of beneficiaries:** Total 111 participants have been participated for this program, which includes students and Teachers of Electronics Department.
- 6. Expenditure & funding agency:/collaborators:** Funding Amount is 1000/- (One Thousand Rupees) provided by the Vivekanand College, Kolhapur.
- 7. Brief description:** Department of Electronics, B.Sc. Computer Sci. Entire and Internal Quality Assurance Cell (IQAC) has organized a seminar on “Internet of Things (IoT): Architecture to Applications” on Wednesday, 12/03/2025 at 11:30am. The resource person was Dr. S. A. Shinde, Associate Professor, Department of Electronics, Shivaji University, Kolhapur.

The program began with an introduction to the core principles of IoT by Prof. Dr. S. A. Shinde, followed by an in-depth review of the architecture, including sensors, communication protocols, data processing, and cloud integration. Dr. Shinde addressed participants about various IoT applications, such as smart agriculture, smart homes, healthcare, industrial automation and transportation, illustrating how IoT is transforming various types of industries. At The end he informed to the students IoT field offers numerous job opportunities across industries, including roles such as Sensor designers, IoT developers, data analysts, and network engineers.

The President of program was Dr. R. R. Kumbhar, Honorable Principal of this College. Dr. C. B. Patil, Head of Electronics Department gave a brief introduction about this Programme. Mr. M. R. Bagade introduced the guest. Dr. Poonam Jadhav proposed vote of thanks to all. Program was anchored by Mr. G. B. Jirage.



8. Outcomes:

1. Participants get familiarized with the basic architecture and components of IoT.
2. The participants learned about the various communication methods and protocols used in IoT systems.
3. The attendees understood the implementation of IoT in areas such as smart agriculture, healthcare, smart homes and various industries with specific examples.

9. Photos:




*Speech by Resource person Dr. S. A. Shinde,
Associate Professor, Department of Electronics, Shivaji University, Kolhapur.*



Participants present for the seminar

10. Signatures of coordinator/ organizer:


HEAD
DEPARTMENT OF ELECTRONICS
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)



Department of Electronics
Vivekanand College, Kolhapur
Date: 10/03/2025

To,
The Principal,
Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)

**Sub: Permission to organize Seminar on "Internet of Things (IoT):
Architecture to Applications"**

Respected Sir,

Department of Electronics and Computer Science Entire Electronics are going to organize a Seminar on "**Internet of Things (IoT): Architecture to Applications**" on **Wednesday, 12/03/2025 at 11:30am** at Room No. 201 of Vivekanand College, Kolhapur (An Empowered Autonomous Institute). The resource person is Dr. S. A. Shinde, Associate Professor, Department of Electronics, Shivaji University, Kolhapur. So please give the permission for the same. Also allow to pay remuneration of Rs1000/- to the Resource person.

Thanking You,

Yours Faithfully,



(Dr. C. B. Patil)

HEAD

**DEPARTMENT OF ELECTRONICS
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)**

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10/03/2025
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11-3-2025



Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)
Department of Electronics

Notice

Date: 10/03/2025

All the students of B.Sc. I, II, III & B.Sc. Comp. Sci. Entire Electronics Part I & II are hereby informed that, the Department of Electronics and B.Sc. Comp. Sci. Entire has organized a Seminar on “**Internet of Things (IoT): Architecture to Applications**” on Wednesday 12/03/2025 at 11:30am onwards. The resource person is **Prof. (Dr.) S. A. Shinde, Associate Professor, Department of Electronics, Shivaji University, Kolhapur.** Join ~~this~~ lecture for 10-15 minutes before the given time in room no. 201 Main Building, Vivekanand College, Kolhapur (An Empowered Autonomous Institute).



A handwritten signature in blue ink, appearing to read "C. B. Patil".

(Dr. C. B. Patil)

HEAD
DEPARTMENT OF ELECTRONICS
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)



Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR

(AN EMPOWERED AUTONOMOUS INSTITUTE)

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Founder Dr. Bapuji Salunkhe D.Lit.	President Hon. Chandrakant Dada Patil Minister, Higher & Technical Education, Parliamentary Affairs	Chairman Prin. Abhaykumar Salunkhe M.A.	Secretary Prin.Mrs. Shubhangi Gawade M.Sc.,B.Ed.	Principal Dr. R. R. Kumbhar M.Sc.,M.Phil.,Ph.D.
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Ref. No. VCK/ 28341/2024-25

Date : 11/3/2025

To,
Dr. S. A. Shinde
Associate Professor,
Department of Electronics,
Shivaji University, Kolhapur.

Subject: Invitation as a Resource person for Seminar on “Internet of Things
(IoT): Architecture to Applications”

Respected Sir,

It gives us an immense pleasure to invite you as Resource Person for Seminar on “Internet of Things (IoT): Architecture to Applications” on Wednesday, 12/03/2025 at 11:30 am onwards organized by Department of Electronics, B.Sc. Computer Science Entire Electronics and Internal Quality Assurance Cell (IQAC) Department Vivekanand College, Kolhapur (An Empowered Autonomous Institute).

We will be highly obliged if you accept our invitation and add grace to the program.

Thank you.

Yours Faithfully,



(Dr. R. R. Kumbhar)

PRINCIPAL
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)



"ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार"

-शिक्षणमहर्षी डॉ. बापूजी साळुंखे

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur

(An Empowered Autonomous Institute)



Seminar on

"Internet of Things (IoT): Architecture to Applications"

Organized by

Department of Electronics, B. Sc. Comp. Sci. Entire Electronics

&

Internal Quality Assurance Cell (IQAC)

PROGRAM MAGAZINE

- Welcome & Introduction : Dr. C. B. Patil (Head of Dept.)
- Introduction to Resource Person : Mr. P. R. Bagade
- Speech by Resource Person : Dr. S. A. Shinde
Associate Professor,
Department of Electronics
Shivaji University, Kolhapur.
- Topic : "Internet of Things (IoT):
Architecture to Applications"
- Anchoring : Mr. G. B. Jirage
- Vote of Thanks : Dr. P. S. Jadhav



Venue: Room No. 201, Vivekanand College, Kolhapur

Date: Wednesday, 12/03/2025

Time: 11:30 am



Shree Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)



(अधिकारप्रदत्त स्वायत्त
संस्था)



Seminar on

“Internet of Things (IoT): Architecture to Applications”

Organized by

Department of Electronics, B.Sc. Comp. Sci. Entire

&

Internal Quality Assurance Cell (IQAC)



Resource Person: Dr. S. A. Shinde,
Associate Professor,
Department of Electronics,
Shivaji University, Kolhapur

Co-Convenor

Mr. P. R. Bagade

Convener

Dr. C. B. Patil

Principal

Dr. R. R. Kumbhar

Date : Wednesday, 12/03/2020

*** Time : 11:30 AM**

Vivekanand College, Kolhapur

(An Empowered Autonomous Institute)

Department of Electronics, B.Sc. Comp. Sci. Entire & IQAC

Organized Seminar on

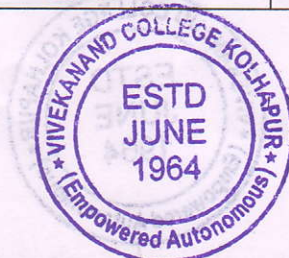
“Internet of Things (IoT): Architecture to Applications”

Participants Attendance Sheet

Date 12.03.2025

Time: 11:30 am

Sr. No.	Name of the Students	Class	Sign
1	Sonali Yuvraj Malavi	BCS-II	<u>Sonali</u>
2	Harshada Ajit Satpute	BCS-II	<u>HS</u>
3	Chaitra Ramesh Gavali	BCS II	<u>Gavali</u>
4	Vedika Vilas Gurban	BCS II	<u>V.V. Gurban</u>
5	Saniya Sampat Sadale	BCS II	<u>Sadale</u>
6	Samiksha Dhanaji Chougale	BCS II	<u>Chougale</u>
7	Pooja Babasaheb Dhas	Bcs-II	<u>Pooja</u>
8	Samiksha Parashuram Shinde	BCS-II	<u>Shinde</u>
9	Sakshi Prashant Tavaskar	BCS II	<u>Sakshi</u>
10	Neha Vijay Meharwade	BCS II	<u>Neha</u>
11	Amruta Digambar Desai	BCS-II	<u>Desai</u>
12	Shruti Ananda Sutar	Bsc -I	<u>Sutar</u>
13	Samruddhi Satya Dixit	Bsc-I	<u>Dixit</u>
14	Aditi Sandip Kumbhar	BSC-I	<u>Kumbhar</u>
15	Samiksha Govind Masaramkar	BSC-I	<u>Samiksha</u>
16	Sakshi Suresh Kiramate	BSC-I	<u>Sakshi</u>
17	Gayatri Gajanan Lolage	BSC-III	<u>Lolage</u>
18	Harsha Balaso Havalde	BSC-I	<u>Harsha</u>
19	Kumbhar Akshata Babasaheb	BCS II	<u>Kumbhar</u>
20	Lavhate Dhanashri Sandat	BCS II	<u>Lavhate</u>



Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)
 Department of Electronics, B.Sc. Comp. Sci. Entire & IQAC
 Organized Seminar on
"Internet of Things (IoT): Architecture to Applications"
 Participants Attendance Sheet

Date 12.03.2025

Time: 11:30 am

Sr. No.	Name of the Students	Class	Sign
21	Terdale Sakshi Rausaheb	BCS II	
22	Bhaldar Saniya Zakir	BCS II	
23	Bobhate Tanvi Haridas	BCS II	
24	shinde Shravani sandeep	BCS II	
25	Desai Neha Sharad	BCS II	
26	Desai Shreya Ravindra	BCS II	
27	Gourji Tanaji Kumbhar	B.sc I	
28	Siddhi Shivaji Raut	B.sc I	
29	Snehal Mahesh Chougale	BCS-II	
30	Neha Kishor Budhale	BCS-II	
31	Saloni Bajirav Chougale	BCS-II	
32	Rutuja Dilip chougale	BCS-II	
33	Ghatage Bhakti Dawlatrao	BCS-II	
34	Kashid Shravani Nitin	BCS-II	
35	Farekate Saloni suresh	BCS-II	
36	Gaikwad Vaishnavi Shankar	BCS-I	
37	Payal Babasa Vasekar	BCS-II	
38	Sakshi Krushnat Solokhe	BCS-II	
39	Sakshi Dipak Gavakar	BCS-II	
40	Rutika Suresh Dasav	BCS-II	



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Department of Electronics, B.Sc. Comp. Sci. Entire & IQAC



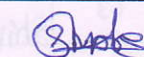
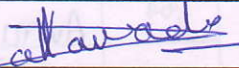
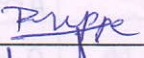
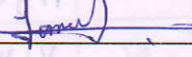

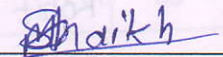
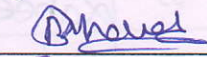
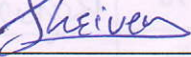
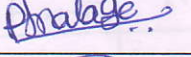

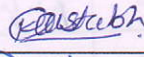
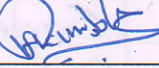
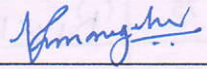
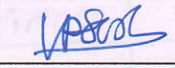
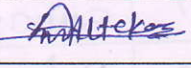
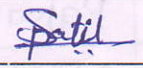


Organized Seminar on

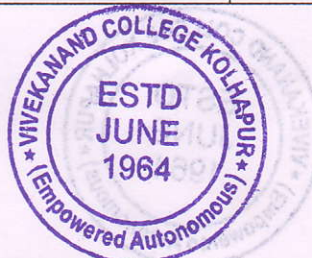
“Internet of Things (IoT): Architecture to Applications”

Participants Attendance Sheet

Date 12.03.2025

Time: 11:30 am

Sr. No.	Name of the Students	Class	Sign
41	Mansing Tangji Shelake	BCS-C	
42	Sanket vilas patil	BCS-C	
43	Siddesh sunil More	BCS-B	
44	Prasad Ajit Malawade	BCS-B	
45	Prathmesh Dinesh Happe	BCS-A	
46	Sammed Labbanand Humidwade	BCS-A	
47	sanskar B. sadane	BCS-C	
48	Mahammadkif sammed shaikh	BCS-C	
49	Rohan Dattatray Bhavad	BCS-A	
50	Shriven Sandip Kamat	B.Sc-I	
51	Pratikraj Jaykumar Malage	B.Sc-I	
52	Vighnesh Rajesh Chandrekar	B.Sc-I	
53	koustabh Bhaskar kuwalekar	BSC-I	
54	harsh shashikant kamble.	BCS-A	
55	Vedant P. Mangaonkar	BSc III	
56	vikrant Rajendra surve	BSc III	
57	Aditya Mahesh Altekare	B.Sc III	
58	Samarth Shrikant Patil	B.Sc III	
59	Alok Bajirang Lad	B.Sc II	
60	Samrat Sarash kumble	B.Sc II	



Vivekanand College, Kolhapur

(An Empowered Autonomous Institute)

Department of Electronics, B.Sc. Comp. Sci. Entire & IQAC

Organized Seminar on

“Internet of Things (IoT): Architecture to Applications”

Participants Attendance Sheet

Date 12.03.2025

Time: 11:30 am

Sr. No.	Name of the Students	Class	Sign
61	Prathamesh Khopkar	BSC II	
62	Somnath Balasaheb Koli	BSC-I	<u>S.B. Koli</u>
63	Shivraj Ramchandra Thorawade	BSC-I	<u>S.R. Thorawade</u>
64	Aviraj Balkrishna Mane	BSC-I	<u>Aviraj</u>
65	Amar Santosh Gavhane	BES II	<u>A.S. Gavhane</u>
66	Ayush Balavant Chougale	BSC-I	
67	Vivek Keeba Powar	BCS II	<u>VKP.</u>
68	Rohit Dhunaji Dhundare	BCS-II	<u>Rhundare.</u>
69	Zahree Khalil Mujawar	BES-II	
70	Rajwardhan Shriram Patil	BSC-I	<u>Ratij</u>
71	Jaydeep Shankar Kumbhar	BSC-I	
72	Dinesh Dattatray Mane	BSC-I	<u>Dmane.</u>
73	Nikhil Krishnat Methe	BSC-I	<u>Nkmethe</u>
74	Sanket Bolaliker	BCS-II	
75	Rushikesh J. Devare	BCS II	
76	Rohit A. Garav	BCS-II	<u>Garav.</u>
77	Subas. S. Rabbe	BCS-II	<u>Subas</u>
78	Rajwardhan Kundalik Desai	BCS-II	<u>Desai.</u>
79	Atish Sanjay Bhosale	BCS-II	
80	Swapnil Sambhaji Jadhav	BES-II	<u>Jadhav.</u>

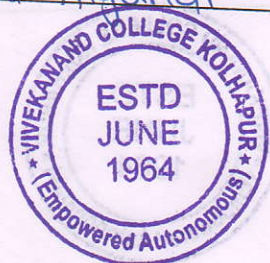


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81	Akshay Raghunath Dandge	B.C.S., S.y	
82	Sumit Sunil Kalebore	B.C.S.-II	
83	Mohammadsaqib Jawed Ansari	B.C.S.-II	
84	Swaroop Sanjay chougale	B.C.S.-II	
85	Ritesh Hari Alwekar	B.C.S.-II	
86	Sahil Samir Guraav	B.Sc.-II	
87	Parth Sayas Lahigude	B.Sc.-4	
88	satvik vikas mane	B.Sc.-II	
89	Gayatri Dadaso patil	B.C.S.-II	
90	Nikita prakash mane	B.C.S.-II	
91	Jeya Jitendra Patil	B.C.S.-II	
92	Sonali Khandu Jadhav	B.C.S.-II	
93	Maina Omprakash Suthar	B.Sc.-II	
94	Pritika Suresh Kadam	B.Sc.-II	
95	Urvee Umesh Gaikwad	B.Sc.-II	
96	Utkarsha Nitin Patil	B.Sc.-II	
97	Rasika Ravindra Jadhav	B.C.S.-II	
98	Afreen Nisar A. Jamadar	B.C.S.-II	
99	Pooja Sanjay Nalawade	B.C.S.-II	
100	Rutuja Ravindra Algundi	B.C.S.-II	



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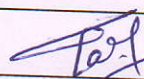


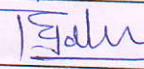

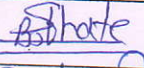

Sr. No.	Name of the Students	Class	Sign
101	Srushti .V. Thorat	BCS-II	<u>Thorat</u>
102	Gayatri .R. Pawar	Bcs-II	<u>Pawar</u>
103	Yuvraj .S. Dhembare	BCS-II	<u>Juv</u>
104	Rohan D. Dhokare	B.C.S-II	<u>Dhokare</u>
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Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)
 Department of Electronics, B.Sc. Comp. Sci. Entire & IQAC
 Organized Seminar on
"Internet of Things (IoT): Architecture to Applications"
 Participants Attendance Sheet

Date 12.03.2025

Time: 11:30 am

Sr. No.	Name of the Faculty	Department	Sign
1	Dr. C. B. Patil	Electronics	
2	Mr. P. R. Bagade	Electronics	
3	Mr. N. P. Mote	Electronics	
4	Dr. P. S. Jadhav	Electronics	
5	Mrs. A. K. Londhe	Electronics (B.C.S)	
6	Mrs. S. S. Bobhate	Electronics (B.C.S)	
7	Mr. G. B. Jirage	Electronics	
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9			
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13			
14			
15			





Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR

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ISO 9001 : 2015



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Founder
Dr. Babuji Salunkhe
D.Lit.

President
Hon. Chandrakant Dada Patil
Minister, Higher & Technical Education,
Parliamentary Affairs

Chairman
Prin. Abhaykumar Salunkhe
M.A.

Secretary
Prin.Mrs. Shubhangi Gawade
M.Sc.,B.Ed.

Principal
Dr. R. R. Kumbhar
M.Sc.,M.Phil.,Ph.D.

Ref. No. VCK/2847/2024-25

Date : 12/3/2025

To,
Dr. S. A. Shinde
Associate Professor,
Department of Electronics,
Shivaji University, Kolhapur.

Respected Sir,

In response to our invitation as a Resource Person for Seminar on “**Internet of Things (IoT): Architecture to Applications**” on Wednesday, 12/03/2025, organized by Department of Electronics, B.Sc. Computer Science Entire Electronics and Internal Quality Assurance Cell (IQAC) Department Vivekanand College, Kolhapur (An Empowered Autonomous Institute). You have delivered the speech and explain what is mean by Internet of Things and how it relates to Cloud computing for our students in a systematic manner.

We would like to extend our heartfelt gratitude to you for your valuable contribution as the resource person for this seminar. Your in-depth knowledge and insightful presentation about the rapidly evolving field of "Internet of Things" was extremely informative and engaging for all participants.

On behalf of the college, we would like to thank you once again for taking the time to share your knowledge with us. Your support and cooperation made this seminar a success and we look forward to working with you again in the future.

Thanking You.

Yours Faithfully,



(Dr. R. R. Kumbhar)
PRINCIPAL
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)