

**Seminar on
“Embedded Systems Design in the age
of IoT and AI”**

Date: Monday, 15/09/2025



"Dissemination of Education for Knowledge, Science and Culture"
-Shikshanmaharshi Dr. Bapuji Salunkhe

Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)
Internal Quality Assurance Cell
2025-26



Quality Initiatives/ Activities Report

1. **Name of Department:** Electronics
2. **Name of Organized Activity:** Seminar on "Embedded Systems Design in the Age of IoT and AI"
3. **Date/ Duration:** Monday, 15/09/2025 at 11:00am onwards.
4. **Aims and Objectives:**
 1. *To explore the integration of embedded systems with IoT and AI technologies.*
 2. *To provide insights into modern design techniques, tools, and trends.*
 3. *To understand the role of embedded systems in IoT and AI applications.*
 4. *To discuss current challenges and innovations in embedded design.*
5. **No. of beneficiaries:** Total 136 participants have been participated for this program, which includes students and Teachers of Electronics Department.
6. **Expenditure & funding agency:/collaborators:** Funding Amount is 3000/- (Three Thousand Rupees) provided by the Vivekanand College, Kolhapur.
7. **Brief description:** Department of Electronics and B.Sc. Computer Sci. Entire in association with Internal Quality Assurance Cell (IQAC) organized a seminar on "Embedded Systems Design in the Age of IoT and AI" on Monday, 15/09/2025 at 11:00am onwards. The resource persons were Dr. S. A. Shinde, Associate Professor, Department of Electronics, Shivaji University, Kolhapur & Mr. Rahul Hiware, Industry Consultant, Pune.

The seminar began with an inaugural session highlighting the importance of embedded systems in modern intelligent applications. Dr. Shinde presented insights into current trends, including low-power microcontrollers, real-time operating systems, sensor integration, edge AI, and secure communication in IoT-enabled devices. He addressed participants about various IoT applications, such as smart agriculture, smart homes, healthcare, and industrial. The seminar also emphasized by Mr. Hiware the growing demand for professionals skilled in both embedded systems and AI, encouraging participants to pursue innovation and research in this multidisciplinary field.

The event concluded with an interactive Q&A session and a panel discussion on the future scope and ethical concerns related to intelligent embedded systems. Participants appreciated the opportunity to gain hands-on knowledge and industry-relevant insights.

The President of program was Dr. S. P. Thorat, Honorable Vice-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 guests. Mr. G. B. Jirage. proposed vote of thanks to all. Program was anchored by Dr. Poonam Jadhav.

8. Outcomes:

1. Participants learned more about the role of embedded systems in IoT and AI applications.
2. Participants gained an understanding of current technologies, design challenges, and industry trends.
3. Participants familiarized with hardware-software co-design in embedded systems.
4. The attendees understood about the challenges in scalability and interoperability of IoT devices.

9. Photos:



Welcome of Resource person Dr. S. A. Shinde,



Welcome of Resource person Mr. Rahul Hiware



Dr. S. A. Shinde and Mr. Rahul Hiware addressed the attendees in line with the Seminar topic



Total 136 Participants present for the seminar

10. Signatures of coordinator/ organizer:




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


Principal
Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)

Department of Electronics
Vivekanand College, Kolhapur
Date: 13/09/2025

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

Sub: Permission to organize one day Seminar on "Embedded Systems Design in the Age of IoT and AI"

Respected Sir,

Department of Senior Electronics and B.Sc. Computer Science Entire Part I & II (Electronics) are going to organize one day Seminar on "Embedded Systems Design in the Age of IoT and AI" on Monday, 15/09/2025 in two sessions at Library Hall, Vivekanand College, Kolhapur (An Empowered Autonomous Institute). The objective of this seminar is to understand the Embedded Systems design with current technologies like IoT and AI. The resource persons for this seminar are Dr. S. A. Shinde Associate Professor, Shivaji University, Kolhapur and Mr. Rahul Hivare, Independent Consultant in Industrial IoT, Pune.

The lump sum expenditure for this workshop would be around Rs.3500/- (Three thousand five hundred rupees) as described below.

Sr. No.	Particulars	Total Amount
1	Remunerations (1 st Local Resource Persons 1000) & (2 nd Resource Persons 2000)	3000/-
2	Breakfast & Lunch	500/-

So please give the permission to conduct above activity.

Thanking You,

Yours Faithfully,



(Dr. C. B. Patil)

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

13/9/25
Allowed
13.9.2025

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

Notice

Date: 13/09/2025

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 "Embedded Systems Design in the Age of IoT and AI"** on Monday, 15/09/2025 in two sessions. The resource persons are **Prof. (Dr.) S. A. Shinde, Associate Professor, Department of Electronics, Shivaji University, Kolhapur** and **Mr. Rahul Hivare, Independent Consultant in Industrial IoT, Pune.** Join this lecture for 10-15 minutes before the given time in Library Hall, Vivekanand College, Kolhapur (An Empowered Autonomous Institute).



(Dr. C. B. Patil)

HEAD

DEPARTMENT OF ELECTRONICS
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)



"Education for Knowledge, Science and Culture"

-Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur

(An Empowered Autonomous Institute)



Department of Electronics, B.Sc. Computer Science Entire

In association with

Internal Quality Assurance Cell (IQAC)

Organizes Seminar on

"Embedded Systems Design in the Age of IoT and AI"

Programme Schedule Venue: Library Hall, Vivekanand College, Kolhapur.

Date & Time of Programme: 15th Sep 2025, 11:00 am onwards

Inauguration & Welcome	: 11:00 am to 11:30 am
Inauguration by chief guest (By watering the plant)	Dr. S. A. Shinde Associate Professor, Shivaji University, Kolhapur Mr. Rahul Hivare Independent Consultant in Industrial IoT, Pune.
Introduction and Welcome	Dr. C. B. Patil Head, Department of Electronics
Introduction to chief guest	: Mr. P R. Bagade
Presidential Address	: Prof. (Dr.) R. R. Kumbhar Principal, Vivekanand College, Kolhapur
1st Session (Resource Person 1) 11:30 am to 12:30 pm	: Dr. S. A. Shinde Associate Professor, Shivaji University, Kolhapur
Lunch Break 12:30 pm to 01:00 pm	
2nd Session (Resource Person 2) 01:00 pm to 02:00 pm	: Mr. Rahul Hivare Independent Consultant in Industrial IoT, Pune.
Valedictory Function 02:00 pm	
Vote of Thanks	: Mr. G. B. Jirage
Anchor	: Dr. P. S. Jadhav



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



(अधिकारप्रदत्त स्वायत्त संस्था)

Seminar on

"Embedded Systems Design in the Age of IoT and AI"

Organized by

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

In Association with

Internal Quality Assurance Cell (IQAC)



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



Resource Person:
Mr. Rahul Hiware
Independent Consultant
In Industrial IoT,
Pune.

Co-Convenor

Mr. P. R. Bagade

Convenor

Dr. C. B. Patil

Principal

Dr. R. R. Kumbhar

***Date : Monday, 15/09/2025**

*** Time : 11:30 AM**

Vivekanand College, Kolhapur

(An Empowered Autonomous Institute)

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

In association with IQAC

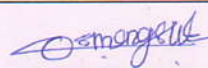
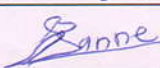
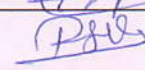
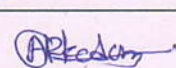
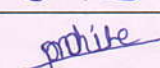
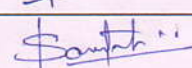
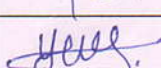
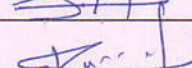
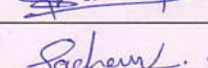
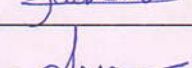
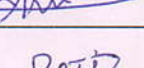
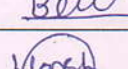
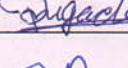
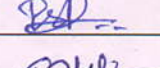
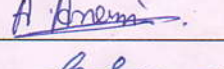
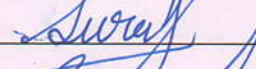
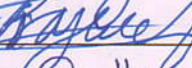
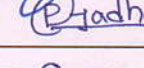
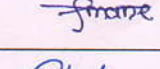
Organizes Seminar on

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Participants Attendance Sheet

Date 15.09.2025

Time: 11:00 am

Sr. No.	Name of the Students	Class	Sign
1.	Omkar S. Mangsule	BCS II	
2.	Shivam Shashikant Banne.	BCS-II	
3.	Vikas Sunil Patil	BCS-II	
4.	Rohan sandip Katakara	BCS-II	
5.	Arun Rajaram Kadam	BCSE II	
6.	Pandit Vijay Mohite	BCS.E II	
7.	Parth Pandurang Savat	BCS-II	
8.	Yash Ajay Waghare	BCS-II	
9.	Sujal Sunil Musale	BCS-II	
10.	Vinayak Shashikant Patil	BCS-II	
11.	Suraj Sagar Jadhav	BCS-II	
12.	Omkar Naimadev Baib.	BCS-II	
13.	Prashant Bhagmu Patil	BCS-II	
14.	Harshvardhan Raviraj Nigade	BSC-I	
15.	Parth-manchhar Nigade	BSC-I	
16.	Pijush Suresh Demanna	BSC-I	
17.	Aniket Namdev Patil	BSC II	
18.	Anas Ashpak Meemin	BSC I	
19.	Kajalya Abhinandan Miraj	BSC-I	
20.	Surajkumar S. Mahto	BSc. III	
21.	Prayush Kiran Kamble	B.Sc. III	
22.	Paras Ramdas Jadhav	BSC.I	
23.	Tushar Santosh Mane	BSC-I	
24.	Atharv Rajesh Ghadage	BSC-I	

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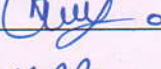
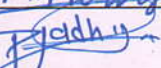
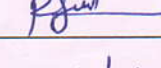
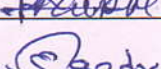
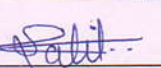
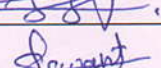
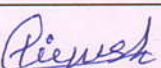
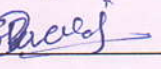
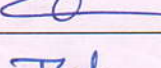
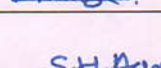
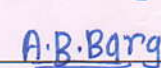
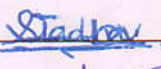
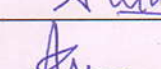
Organizes Seminar on

"Embedded Systems Design in the Age of IoT and AI"

Participants Attendance Sheet

Date 15.09.2025

Time: 11:00 am

Sr. No.	Name of the Students	Class	Sign
25.	Sopan Sardar Sutar	BCS-II	
26.	Harshad Ganpati Kamble	BSC-I	
27.	Abhitya Mohachov Pundit.	BSC-I	
28.	M.P. Mandar Pratap Powar	BSC-I	
29.	Paeth Prakash Jadhav	BSC-I	
30.	Yash Ramesh Shinde.	BCS-II	
31.	Magdum Pramod Sanjay	BCS-II	
32.	Kambale Prathmesh Kisan	BCS-II	
33.	Kadam Sandesh Suresh	BCS-II	
34.	Patil Vighnesh Narayan	BSC-I	
35.	Gavade Dipak Bhikaji	BSC-I	
36.	Devpuje Shubham Subhash	BSC-I	
37.	Piyush Pundalik Savant	BSC-I	
38.	Piyush Sachin Thorushe	BSC-I	
39.	Sureaj Bk Nath Daware	BSC-2	
40.	O.M. Y. Prabhu	BSC-I	
41.	Pranali Sajirao Kalamte	BSC-I	
42.	Sammuddhi Hindurav Agale.	BSC-I	
43.	Abhilasha Bajirao Borge.	BSC-I	
44.	Sanjana A Jadhav.	BSC-I	
45.	Audhott Pradeep Thikane	BSC-I	
46.	Omkar Sanjay Budkar	BSC-I	
47.	Suyash Biranje	B.Sc. I	
48.	Jay Dalavi	BSC I	

Vivekanand College, Kolhapur

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Date 15.09.2025

Time: 11:00 am

Sr. No.	Name of the Students	Class	Sign
49.	Heena Hanjala Bagwan	BSc 1 st	<u>Heena</u>
50.	Shrushti Suresh Daragade	BSC FY	<u>S.S. Daragade</u>
51.	Samruddhi Sanjay Bedage	BSc 1 st	<u>S. Bedage</u>
52.	Vasundhara Maruti Deshinge	BSc 1 st	<u>V. Deshinge</u>
53.	Amya Sakharan Dhanawade	B.C.S. SY	<u>A. Dhanawade</u>
54.	Shivganga Bramhdev Kokate	BCS SY	<u>S. Kokate</u>
55.	Ankita Tanaji Awatade	BCS SY	<u>A. Awatade</u>
56.	Pooja Chintamani Patil	BCS SY	<u>P. Patil</u>
57.	Shravani Narendra Kumbhar	BCS-SY	<u>S. Kumbhar</u>
58.	Riya Satish Dhumake	BCS-SY	<u>R. Dhumake</u>
59.	Pooja Laxman Patil	BCS-SY	<u>P. Patil</u>
60.	Manasvi Suresh Chavan	BCS-SY	<u>M. Chavan</u>
61.	Pooja Shivaji Parganekar	BCS-SY	<u>P. Parganekar</u>
62.	Sanika Sanjay Patil	BCS-SY	<u>S. Patil</u>
63.	Divya Sanjay Patil Musale	BCS-SY	<u>D. Musale</u>
64.	Siddhi Babaso Yadav	BCS-SY	<u>S. Yadav</u>
65.	Shrutika Karnsing Topugade	BCS-SY	<u>S. Topugade</u>
66.	Prajakta Avinash Shelake	BCS-SY	<u>P. Shelake</u>
67.	Lavanya Balu Wagh	BCS. SY	<u>L. Wagh</u>
68.	Samiksha Shivaji Ulape	BCS. SY	<u>S. Ulape</u>
69.	Madhura Sambhaji Shelan	BCS. SY	<u>M. Shelan</u>
70.	Thorat Viraj Ravindra	BCS. SY	<u>V. Thorat</u>
71.	Sanika Dagadu Patil	BSC. TY	<u>S. Patil</u>
72.	Anushka Shivling Kanugade	BSC. TY	<u>A. Kanugade</u>

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Date 15.09.2025

Time: 11:00 am

Sr. No.	Name of the Students	Class	Sign
73.	Reetima Uttam Patil	BCS-sy	<u>Reetima</u>
74.	Tejaswini Shivaji Patil	BGS-SY	<u>Tej</u>
75.	Saniya Bajirao Patil	Bcs-sy	<u>Saniya</u>
76.	Pratiksha Pandit Patil	Bcs-sy	<u>Pratiksha</u>
77.	Tanuja Namdev Vharambale	Bcs-sy	<u>Vharambale</u>
78.	siddhi Jotiram Methe	Bcs-sy	<u>Methe.</u>
79.	sanika Prashant kakade	Bcs-sy	<u>Sk.</u>
80.	Shraddha Sudhakar Bhosale	Bcs-sy	<u>S. Bhosale</u>
81.	Samruddhi Mahadev Patil	Bcs-sy	<u>Samruddhi</u>
82.	Pradnya Ranjit Patil	Bcs-sy	<u>Pradnya</u>
83.	Rajlaxmi Tanaji chougale	Bcs-sy	<u>Rajlaxmi</u>
84.	Devyani Dipak kale	Bcs-sy	<u>Devyani</u>
85.	Tanishka Uday Bagal.	Bcs-sy	<u>Bagal.</u>
86.	Madhura J. Atekar [Kumbhar]	Bcs-sy	<u>Atekar</u>
87.	Samruddhi P. Dinde	Bcs-sy	<u>Dinde</u>
88.	Trisha A. Mane.	B.Cs.-SY	<u>Trisha</u>
89.	shruti S. kadam	Bcs-sy	<u>shruti</u>
90.	Tanuja Tukaram Patil	Bcs-sy	<u>Patil</u>
91.	Siddhi Anand Borage	Bcs-sy	<u>S.A. Borage</u>
92.	Swalika Salim Shaikh.	Bcs-sy	<u>Swalika</u>
93.	Sharada Subhash Sutar.	Bcs-sy	<u>S.S. Sutar.</u>
94.	Vaishnavi Nivas Patil.	Bcs-sy.	<u>Vaishnavi</u>
95.	Sonali Bhanu Tilakkar.	Bcs-sy.	<u>Sonali</u>
96.	Bhumi Rajkumar chougale.	Bcs-sy.	<u>Bhumi</u>

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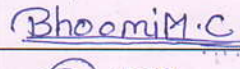
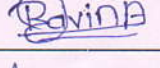
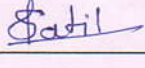
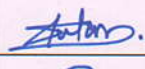
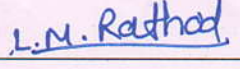
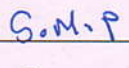
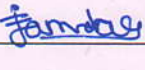
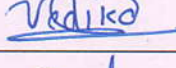
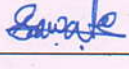
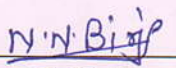
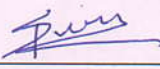
Organizes Seminar on

"Embedded Systems Design in the Age of IoT and AI"

Participants Attendance Sheet

Date 15.09.2025

Time: 11:00 am

Sr. No.	Name of the Students	Class	Sign
97.	Pragati Uttam Satale.	FY BSC	
98.	Rasika Rajaram Chikhalkar	SY BCS	
99.	Shravani Mohan Patil.	SY BCS	
100.	Srushti Santosh Patil.	SY BCS	
101.	Shweta Sukhadev Patil.	SY-BCS	
102.	Bhoomi Mahesh Chougule	SY-BCS	
103.	Ravina Vijay Waingade.	SY-Bcs	
104.	Sayali Shankar Patil	SY-Bcs	
105.	Shruti Ananda Sutar	SY-Bsc	
106.	Harsha Balaso Havalday	SY-BSC	
107.	Laxmi Machhindra Rathod	SY-BSC	
108.	Jyotiraj Indrajit Jamdade		
109.	Shreyash Maruti Patil	Fy-bSC	
110.	Jyotiraj Indrajit Jamdade	Fy-bsc	
111.	Kshitij Ravindra Patil	Fy-bsc	
112.	Aryan .A. Bavadekar	FY-BSC	
113.	Janhavi .S. Bhalekar	FY.BSC	
114.	Vedika .D. Gujjar	Fy.BSC	
115.	Sonavi S. Anate	FY.BSC	
116.	Madhura Ananda Patil	TY.BSC	
117.	Namrata Narayan Bijje	TY, Bsc	
118.	Utkarsha Nitin Patil	TY. Bsc	
119.	Snehal Dilip Veer	TY. Bsc	
120.	Sanika Ashok Powar	TY. Bsc	

Vivekanand College, Kolhapur

(An Empowered Autonomous Institute)

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

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Date 15.09.2025

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Sr. No.	Name of the Students	Class	Sign
121.	Kiran Baban Bondgaᳵ	BCS-II	<u>KBondgaᳵ</u>
122.	Tejal Keshav Patil	BCS-II	<u>TPatil</u>
123.	Samiksha Vikas Patil	BCS-II	<u>SPatil</u>
124.	Kartiki Sachin Jadhav.	BCS-II	<u>KJadhav</u>
125.	Aditi Ajil Patil	BCS-II	<u>APatil</u>
126.	snehal B Koli	BCS-II	<u>S.B.Koli</u>
127.	Vaishnavi Vasont Kumbhar	BCS-II	<u>VKumbhar</u>
128.	Tanuja Yuvraj Patil	BCS-II	<u>TPatil</u>
129.	Prithi Nitin Palange	BCS-II	<u>Palange</u>
130.	Sanika Mahesh Nevage	BCS-II	<u>SNevage</u>
131.	Vaishnavi Rajesh Dhawane	BCS-II	<u>VDhawane</u>
132.	Akanksha Popat Shinde	BCS-II	<u>AShinde</u>
133.	Pranali Pandit Patil	BCS-II	<u>PPatil</u>
134.	Tanvi Prabhakar shinde	BCS-II	<u>TShinde</u>
135.	Sakshi Devidas Neel	BCS-II	<u>SNeel</u>
136.	Sangam Ravikant shete	BCS-II	<u>SShete</u>
137.			
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विवेकानंद महाविद्यालयातील सेमिनारला प्रतिसाद
कोल्हापूर : अभियांत्रिकी दिनानिमित्त विवेकानंद कॉलेजमध्ये सिनिअर इलेक्ट्रॉनिक्स विभाग व बी.एस्सी. कॉम्प्युटर सायन्स एन्टायर विभागातर्फे आयक्यूएसी विभागाच्या सहकायनि आयओटी व एआयच्या युगात एम्बेडेड सिस्टीम डिझाईन या विषयावर सेमीनार झाला. यास विद्यार्थ्यांचा प्रतिसाद लाभला. कार्यक्रमाचे प्रमुख पाहुणे म्हणून शिवाजी विद्यापीठातील प्रा. डॉ. एस. ए. शिंदे उपस्थित होते. विशेष वक्ते म्हणून कौन्सिलर पुणे, राहुल हिवरे उपस्थित होते. अध्यक्षस्थानी उपप्राचार्य डॉ. एस. पी. थोरात होते. इलेक्ट्रॉनिक्स विभागप्रमुख डॉ. सी. बी. पाटील यांनी प्रास्ताविक केले. पाहुण्यांची ओळख प्रा. पी. आर. बागडे यांनी करून दिली. सूत्रसंचालन डॉ. पी. एस. जाधव यांनी केले. प्रा. जी. बी. जिरगे यांनी आभार मानले.