

**A Report on One Week FDP on “Raspberry Pi and its
Interfacing”**



**Swami Keshvanand Institute of Technology,
Management & Gramothan, Jaipur**



**A
Report
on
One Week
Faculty Development Program (FDP)
on
“Raspberry Pi and its Interfacing”**

(Feb. 27 – March 03, 2023)

**Organized by:
Department of Electronics & Communication Engineering**

**in association with
NITTTR, Chandigarh
(Feb. 27 – March 03, 2023)**



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1. Objective and Outcome of the event

Objectives

- The main objective of this FDP is to provide an opportunity for faculty members to get an exposure in the field of Raspberry Pi and its interfacing
- The FDP is to give an insight into field by discussion of necessary theoretical background as well as demonstration through simulation and hardware implementation

Outcomes

On successful completion of the course, participants will be able to:

- a) Able to explain the basic use of Raspberry Pi
- b) Able to interface Raspberry Pi with other components for different applications
- c) Able to simulate Raspberry Pi

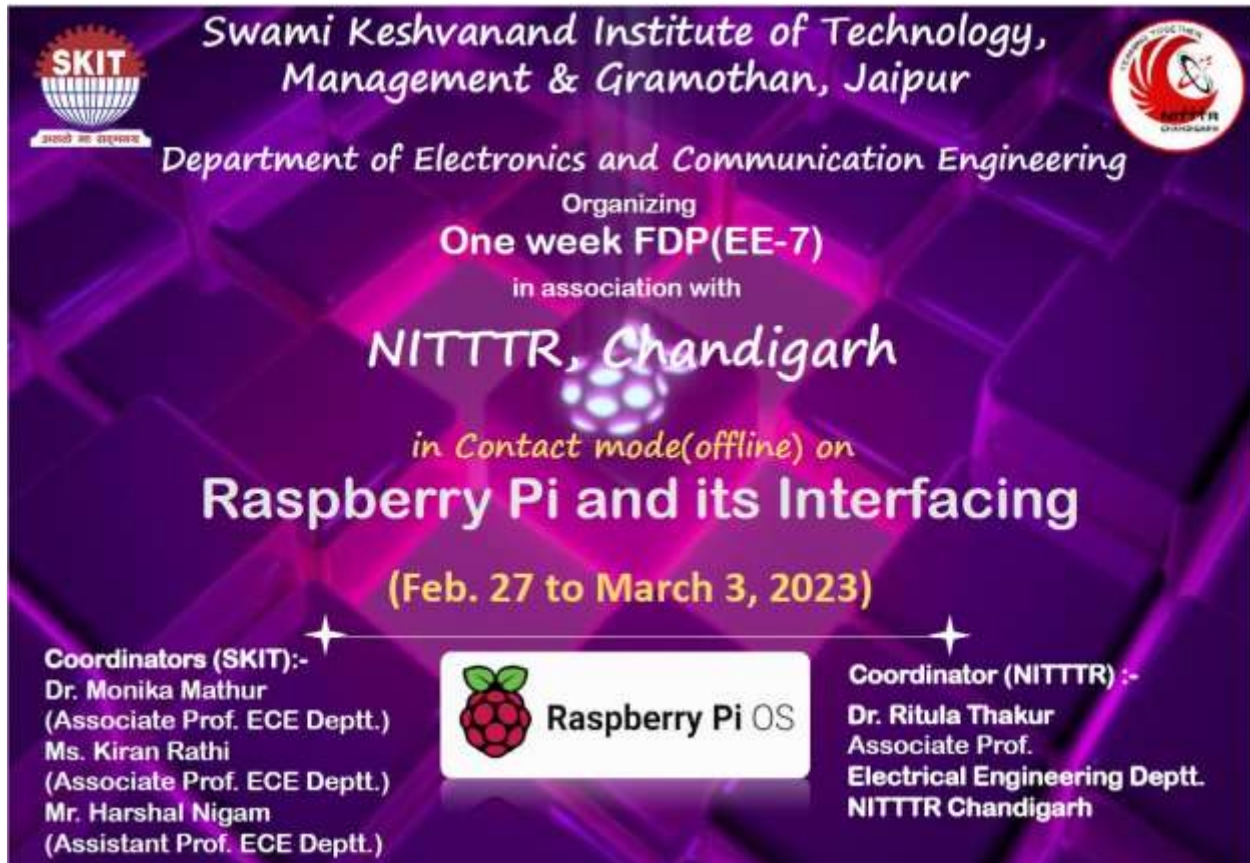
2. Budget Approval

The expenses for honorarium and other expenditures were afforded by NITTTR, Chandigarh

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A Report on One Week FDP on “Raspberry Pi and its Interfacing”

3. Event Brochure



The brochure is set against a purple background with a faint, glowing geometric pattern. At the top left is the SKIT logo, and at the top right is the NITTTR Chandigarh logo. The text is centered and uses a mix of white, yellow, and red colors for emphasis. A Raspberry Pi OS logo is positioned in the center, flanked by the names of the coordinators from SKIT and NITTTR.

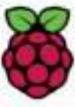
**Swami Keshvanand Institute of Technology,
Management & Gramothan, Jaipur**

Department of Electronics and Communication Engineering

Organizing
One week FDP(EE-7)
in association with
NITTTR, Chandigarh

in Contact mode(offline) on
Raspberry Pi and its Interfacing
(Feb. 27 to March 3, 2023)

Coordinators (SKIT):-
Dr. Monika Mathur
(Associate Prof. ECE Deptt.)
Ms. Kiran Rathi
(Associate Prof. ECE Deptt.)
Mr. Harshal Nigam
(Assistant Prof. ECE Deptt.)

 **Raspberry Pi OS**

Coordinator (NITTTR) :-
Dr. Ritula Thakur
Associate Prof.
Electrical Engineering Deptt.
NITTTR Chandigarh

A Report on One Week FDP on “Raspberry Pi and its Interfacing”



**Swami Keshvanand Institute of Technology
Management & Gramothan, Jaipur**

Department of Electronics & Communication Engineering

Organizing
One Week FDP
in association with
NITTTR, Chandigarh



Raspberry Pi & Its Interfacing
February 27 - March 03, 2023



Sh. Sujra Ram Meel
Chairman
SKIT, Jaipur

Sh. Jaipal Meel
Director
SKIT, Jaipur

Prof. S. L. Surana
Director (Acad.)
SKIT, Jaipur

Ms. Rachna Meel
Registrar
SKIT, Jaipur

Prof. R. K. Pachar
Principal
SKIT, Jaipur

Prof. R. K. Jain
Dean
SKIT, Jaipur

Prof. Mukesh Arora
Head OPA & ECE
SKIT, Jaipur

Invited Guests

(Chief Guest)



Mr. Siddharth Pokharna
Sr. Deputy Director General
DOT, Rajasthan

(Guest of Honor)



Dr. Peeyush Tewari
Director, BIT, Mesra
Jaipur Campus

(Guest of Honor)



Dr. Ritula Thakur
Asso. Prof. EE Deptt.,
NITTTR, Chandigarh

Resource Persons



Mr. Ajay Godara
Founder & CEO,
Enovate Skills

Dr. Amit Joshi
Asst. Prof. ECE Deptt.,
MNIT, Jaipur

Prof. Rajeev Mathur
Director, SOET,
JNU, Jaipur

Mr. Snehansh Shekhar
Sr. Asst. Prof. ECE Deptt.,
BIT, Mesra, Jaipur Campus

Dr. Payal Bansal
Asso. Prof. ECE Deptt.,
PCE, Jaipur

Coordinators SKIT:
Dr. Monika Mathur, Asso. Prof. ECE Deptt.
Ms. Kiran Rathi, Asso. Prof. ECE Deptt.
Mr. Harshal Nigam, Asst. Prof. ECE Deptt.

**RaspberryPi**

Coordinator NITTTR:
Dr. Ritula Thakur, Asso. Prof. EE Deptt.,
NITTTR, Chandigarh

A Report on One Week FDP on “Raspberry Pi and its Interfacing”



Faculty Development Program

on

“Raspberry Pi and its Interfacing”

organized by

Department of Electronics and Communication Engineering
Swami Keshvanand Institute of Technology, Management & Gramothan
Jaipur

in association with

NITTTR, Chandigarh

(Feb. 27 – March 03, 2023)

(Minute to Minute Program of Inaugural Ceremony) (27.02.2023)
(10-11 AM)

09:30-10:00	Connecting Tea
10:00-10:05 AM	Lamp Lighting Ceremony
10:05- 10:10 AM	Floral welcome and Memento presentation to dignitaries
10:10-10:15 AM	Welcome address by Sh. Jaipal Meel, Director, SKIT Jaipur
10:15-10:20 AM	Address by Guest of Honor Dr. Peeyush Tewari Director, BIT Mesra, Jaipur Campus
10:20-10:25 AM	Address by Chief Guest Sh. Siddharth Pokharna Sr. DDG Department of Telecom, Rajasthan
10:25-10:30 AM	About FDP by Coordinator (NITTTR) Dr. Ritula Thakur Associate Professor, NITTTR, Chandigarh
10:30-10:33 AM	Vote of Thanks by Prof. Ramesh Kumar Pachar, Principal, SKIT Jaipur
10:33-10:40 AM	Group Photo outside Civil Block
10:40-11:00 AM	High Tea

**A Report on One Week FDP on “Raspberry Pi and its
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**Swami Keshvanand Institute of Technology
Management & Gramothan, Jaipur**



Department of Electronics & Communication Engineering

Valedictory
of
One Week FDP
in association with
NITTTR, Chandigarh
Raspberry Pi & Its Interfacing



March 03, 2023
02:00 - 02:30 pm
Venue: J C Bose Seminar Hall

Guest of Honor



Prof. Ghanshyam Singh,
Professor, ECE Department,
MNIT, Jaipur

Coordinators SKIT:
Dr. Monika Mathur
Ms. Kiran Rathi
Mr. Harshal Nigam
ECE Department

Coordinator NITTTR:
Dr. Ritula Thakur
EE Department



RaspberryPi

**A Report on One Week FDP on “Raspberry Pi and its
Interfacing”**



Faculty Development Program

on

“Raspberry Pi and its Interfacing”

organized by

**Department of Electronics and Communication Engineering
Swami Keshvanand Institute of Technology, Management & Gramothan
Jaipur**

in association with

NITTTR, Chandigarh
(Feb. 27 – March 03, 2023)

**(Minute to Minute Program of Valedictory Ceremony) (03.03.2023)
(02:00-02:30 PM)**

02:00-02:05 PM	Welcome address by Prof. Mukesh Arora, Head ECE and OFA, SKIT Jaipur
02:05- 02:10 PM	Floral welcome and Memento presentation to dignitaries
02:10-02:15 PM	Report of FDP Mr. Harshal Nigam, Assistant Professor FDP Coordinator, SKIT Jaipur
02:15-02:20 PM	Address by Guest of Honor Dr. Ghanshyam Singh Professor, MNIT Jaipur
02:20-02:25 PM	Certificate Distribution to Coordinators by Dignitaries
02:25-02:30 PM	Vote of Thanks by Dr. Monika Mathur Associate Professor, SKIT Jaipur

**A Report on One Week FDP on “Raspberry Pi and its
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4. Schedule of the Event

**DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING, SKIT JAIPUR**

In Association With

**DEPARTMENT OF ELECTRICAL ENGINEERING, NITTTR
CHANDIGARH**

TIME TABLE for the FDP on

Raspberry Pi and its Interfacing

Venue: Swami Keshvanand Institute of Technology Management and Gramothan, Jaipur

w.e.f 27/02/2023 to 03/03/2023

Day & Date	10-11.30 am	11.30am – 1pm	1-2 pm	2.00 pm – 3.30 pm
Monday 27/02/2023	Inauguration ceremony	Introduction to Raspberry Pi (Dr. Ritula Thakur)	L	Python Programming for Raspberry Pi (Dr. Ritula Thakur)
Tuesday 28/02/2023	Node Red with Raspberry Pi for IoT Applications (Dr. Ajay Godara- Enovate Skill)		U	Practice Task (Dr. Ritula Thakur)
Wednesday 01/03/2023	IoT applications using Raspberry Pi (Dr. Ajay Godara-Enovate Skill)		N	Practice Task (Dr. Ritula Thakur)
Thursday 02/03/2023	Raspberry pi and Intelligent Instrumentation (Dr. Snehanshu Shekher-BIT Mesra,Jaipur Campus)	Raspberry Pi in IOT Applications (Prof. Rajeev Mathur-JNU Jaipur)	C	IOT in smart Healthcare : Applications and Challenges (Dr. Amit Joshi -MNIT Jaipur)
Friday 03/03/2023	Hardware Requirements for Module Interfacing using Raspberry Pi (Dr. Payal Bansal-PCE Jaipur)	Quiz (RT)	H	Valediction

**A Report on One Week FDP on “Raspberry Pi and its
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5. List of Invited Guests and Speakers

S. No	Guest/Speakers	Name and Affiliation
1.	Chief guest of Inauguration	Sh. Siddharth Pokharna Sr. DDG Department of Telecom, Rajasthan
	Guest of Honor	Dr. Peeyush Tewari Director, BIT Mesra, Jaipur Campus Dr. Ritula Thakur Associate Professor, NITTTR, Chandigarh
2.	Invited Speaker 1	Mr. Ajay Godara Founder & CEO, Enovate Skills
3.	Invited Speaker 2	Mr. Snehanshu Shekhar Assistant Professor BIT Mesra, Jaipur Center
4.	Invited Speaker 3	Prof. Dr. Rajeev Mathur Director, School of Engineering and Technology JNU, Jaipur
5.	Invited Speaker 4	Dr. Amit Mahesh Joshi Assistant Professor MNIT Jaipur
6.	Invited Speaker 5	Dr. Payal Bansal Dean R& D, IPR, Associate Professor Poornima College of Engineering, Jaipur

A Report on One Week FDP on "Raspberry Pi and its Interfacing"

6. Consent of the Speakers



Harshal Nigam <hrshlnigam@gmail.com>

Fwd: Reg. Proposal to be the Host institution for the course on "Raspberry Pi and its Interfacing " during 27 February- 03 March 2023

1 message

Dr. Monika Mathur <monikamathur@skit.ac.in>
To: Harshal Nigam <hrshlnigam@gmail.com>

Mon, Jan 23, 2023 at 10:00 AM

----- Forwarded message -----

From: Dr. Ritula Thakur <ritula@nitttrchd.ac.in>

Date: Fri, Sep 2, 2022, 12:21

Subject: Reg. Proposal to be the Host institution for the course on "Raspberry Pi and its Interfacing " during 27 February- 03 March 2023

To: <monikamathur@skit.ac.in>

Cc: <hodece@skit.ac.in>

Dear Sir/Madam,

The department of Electrical Engineering, NITTTR, Chandigarh is conducting one-week Faculty Development Program (FDP) on **"Raspberry Pi and its Interfacing " on the following dates:**

Date - 27 February - 03 March 2023

Timing of session - 9,30 - 11,00 , 11,30 - 1,00 pm and 2,00 - 3,30 pm

It is requested to kindly let us know if your institution is a Self Financing Institution and would like to host the one-week FDP, Also Please provide the list of Participants, Around 20 participants are at least required,

There is no registration fee for the faculties of the host institution.

The Honorarium paid to Local Coordinator shall be - Rs 2500/-

The Honorarium paid to Supporting Staff shall be - Rs 1500/-

The following expenditure will be reimbursed by NITTTR, Chandigarh:

Inaugural session - Rs 30/person

Valedictory session - Rs 30/person

Two times Tea - Rs 30 /person

Faculty of other institutions will be charged Rs 118/- including GST

Research scholar will be charged Rs 500 + 18% GST = Rs 590 /- for participation.

Please feel free to contact for any queries on my mobile 6283079912.

Regards

Dr. Ritula Thakur

Associate Professor

Electrical Engineering Department

National Institute of Technical Teachers Training & Research

Sector 26, Chandigarh, 160019

A Report on One Week FDP on “Raspberry Pi and its Interfacing”

3/21/23, 2:02 PM

Swami Keshvanand Institute of Technology Mail - Invitation for the expert talk in one week FDP on “Raspberry Pi and its Inter...



Harshal Nigam <harshal.nigam@skit.ac.in>

Invitation for the expert talk in one week FDP on “Raspberry Pi and its Interfacing” Organized by SKIT Jaipur and NITTTR Chandigarh

3 messages

Harshal Nigam <harshal.nigam@skit.ac.in>

Wed, Feb 15, 2023 at 1:37 PM

To: "snehanshu.shekhar@gmail.com" <snehanshu.shekhar@gmail.com>

Cc: monikamathur@skit.ac.in, kiran.rathi@skit.ac.in

Dear Sir,

Greetings!!!!

We are pleased to invite you for the expert talk in one week FDP on **“Raspberry Pi and its Interfacing”** scheduled to be held between Feb. 27 to March 3, 2023 organized by **Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT,M&G)** in association with **NITTTR Chandigarh**.

Swami Keshvanand Institute of Technology, Management & Gramothan inspired from the learnings of Swami Keshvanand, was established in the year 2000 by Technocrats and Managers Society for Advanced Learning. Today the institute is recognized as one of the centers of academic excellence in Northern India. The Institute is affiliated to **Rajasthan Technical University, Kota** for offering Doctorate, Postgraduate, and Graduate Courses in Engineering and Management. SKIT is the only affiliated technical institute in Rajasthan with **A++ grade by NAAC** and it has been ranked no. 1 by RTU, Kota continuously since the last five years.

Your expertise and experience will be an excellent addition to this FDP on **“Raspberry Pi and its Interfacing”** as our faculty members will look forward to hearing and learning from your experience.

So, it is an honor to invite you for an expert lecture.

Please spare some time from your busy schedule to enlighten us with your knowledge and give us consent in reply to this mail regarding your presence for the expert lecture

Looking forward to a positive response.

The schedule of the FDP is also attached with this mail

Venue: Swami Keshvanand Institute of Technology, Management & Gramothan, Ramnagar, Jagatpura, Jaipur-302017 (India)

Institute Website: www.skit.ac.in

Thank you.

Thanks & Regards,
Harshal Nigam
Co-ordinator (SKIT)
Assistant Professor


<https://mail.google.com/mail/u/0/?ik=bac2e6aad0&view=pt&search=all&permthid=thread-a13774212777012617942&siml=msg-a164867069160...> 1/2

A Report on One Week FDP on “Raspberry Pi and its Interfacing”

3/21/23, 2:02 PM

Swami Keshvanand Institute of Technology Mail - Invitation for the expert talk in one week FDP on "Raspberry Pi and its Inter..."

Department of Electronics & Communication Engineering
Swami Keshvanand Institute of Technology, Management & Gramothan
Jagatpura, Jaipur - 302017, Rajasthan (India)
Voice - +919460005284
Email ID - harshal.nigam@skit.ac.in

 **Time Table_Raspberry Pi and its Interfacing.pdf**
64K

Shakespeare <snehanshu.shekhar@gmail.com>
To: Harshal Nigam <harshal.nigam@skit.ac.in>
Cc: monikamathur@skit.ac.in, kiran.rathi@skit.ac.in


Thu, Feb 16, 2023 at 2:45 PM

Dear Sir,
I ebulliently accept the invitation.
I wish to draw your kind attention towards the erroneous affiliation and request to rectify.

Name : Snehanshu Shekhar
Affiliation: BIT Mesra, Jaipur Campus

CV is attached herewith for your kind perusal.

Regards,
Snehanshu Shekhar
(Quoted text hidden)
—
Snehanshu SHEKHAR

 **Snehanshu Shekhar CV.pdf**
394K

Harshal Nigam <harshal.nigam@skit.ac.in>
To: Shakespeare <snehanshu.shekhar@gmail.com>

Thu, Feb 16, 2023 at 3:56 PM

Dear Sir,

Sure, the affiliation will be rectified

Thank you for your consent
(Quoted text hidden)

A Report on One Week FDP on “Raspberry Pi and its Interfacing”

Dr. Payal Bansal <payal.bansal@poornima.org>

To: Harshal Nigam <harshal.nigam@skit.ac.in>

Cc: payaljindalpayal@gmail.com, monikamathur@skit.ac.in, kiran.rathi@skit.ac.in

Thanks a lot for your kind invitation sir. I will be there according to the schedule.

[Quoted text hidden]

--

Thanks & Regards

Dr. Payal Bansal

(SMIEEE, LMISTE, EAIARJ, EIJMSIT)

Associate Professor

Poornima College of Engineering, Jaipur (Rajasthan)

ISI-6, RIICO Institutional Area

Sitapura, Jaipur (Rajasthan)-302022

M: +91-9785487195

E-mail: payal.bansal@poornima.org

payaljindalpayal@gmail.com



**A Report on One Week FDP on “Raspberry Pi and its
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7. List of Faculty Participants (SKIT)

Sr. No.	Name
1	HARSHAL NIGAM
2	NAVEEN JAIN
3	DINESH KUMAR
4	ANKIT AGARWAL
5	RAJESH RAJAAN
6	LOVELEEN KUMAR
7	DOLLY MITTAL
8	YOGENDRA KUMAR GUPTA
9	SHANU TRIPATHI
10	NIKHAR BHATNAGAR
11	SHUBHI JAIN
12	DR. PANKAJ DADHEECH
13	VIKRAM KHANDELWAL

**A Report on One Week FDP on “Raspberry Pi and its
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14	SOHAN LAL GUPTA
15	MAHENDER KUMAR BENIWAL
16	DR. VIKAS PATHAK
17	SWATI ARORA
18	MANI BUTWALL
19	ABHINANDAN JAIN
20	PALLAV RAWAL
21	SUMAN SHARMA
22	ASHISH PANT
23	RICHA SHARMA
24	PRIYANKA SHARMA
25	MAMTA JAIN
26	BHARAT SINGH, BHARATIVIDYAPEETH COLLEGE OF ENGINEERING NEW DELHI DELHI
27	SARABJEET SINGH SETHI
28	POOJA CHOUDHARY
29	RAJNI IDIWAL
30	RAKESH KUMAR, SOBHASARIA GROUP OF INSTITUTIONS SIKAR

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31	GLORIA JOSEPH
32	DR. S R DOGIWAL
33	NEERAJ JAIN

**A Report on One Week FDP on “Raspberry Pi and its
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8. Photographs of Event



A Report on One Week FDP on “Raspberry Pi and its Interfacing”



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A Report on One Week FDP on “Raspberry Pi and its Interfacing”



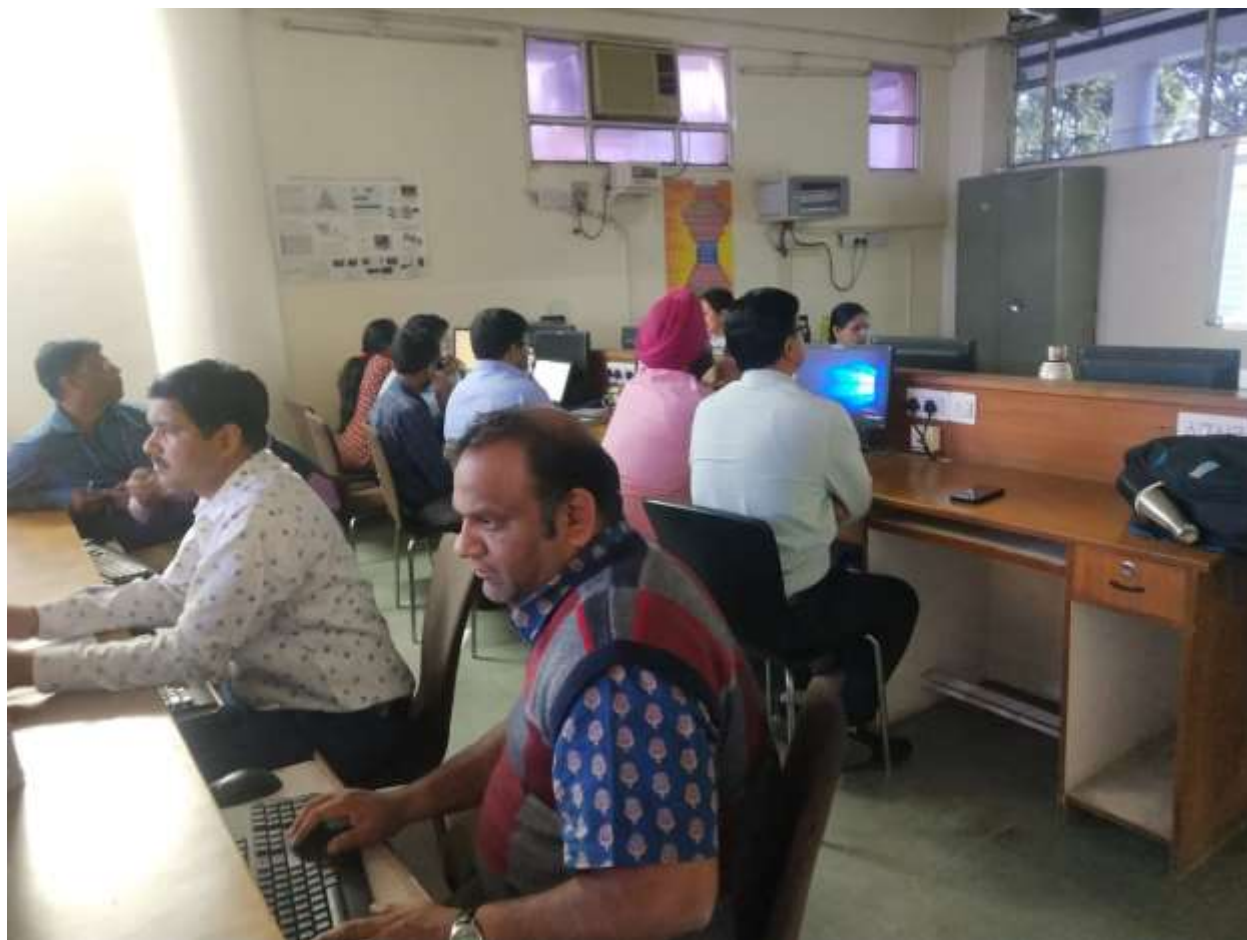
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9. Certificate Sample



10.Media Coverage

एसकेआईटी में साप्ताहिक एफडीपी शुरू



खबरों की दुनिया

जयपुर। स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी में रैस्पेरीपाई एंड इट्स इंटरफेसिंग विषय पर एक सप्ताह का फैकल्टी डेवलपमेंट प्रोग्राम सोमवार से शुरू हुआ। यह एफडीपी इलेक्ट्रॉनिक्स और संचार इंजीनियरिंग विभाग द्वारा

एन.आई.टी.टी.टी.आर. चंडीगढ़ के सहयोग से आयोजित की गई। उद्घाटन समारोह में मुख्य अतिथि डीओटी के डिप्टी डायरेक्टर सिद्धार्थ पोखरना डिप्टी डायरेक्टर जनरल तथा विशिष्ट अतिथि डॉ पीयूष तिवारी व डॉ ऋतुला ठाकुर थे। कार्यक्रम की शुरुआत में संस्था के निदेशक जयपाल मील ने सभी

आगंतुकों का स्वागत किया तथा एनआईटीटीटीआर चंडीगढ़ को रैस्पेरीपाई जैसे महत्वपूर्ण विषय पर एस.के.आई.टी. के साथ इस एफडीपी के आयोजन के लिए आभार व्यक्त किया। संस्था के शिक्षाविद निदेशक प्रो. एस. एल. सुराणा ने एस.के.आई.टी की उपलब्धियों से सभी आगंतुकों को

परिचित कराया और यह बताया कि अल्प समय में ही संस्था ने अकादमिक क्षेत्र में शीर्ष उपलब्धियों को प्राप्त किया है। मुख्य अतिथि मि. सिद्धार्थ पोखरना ने 5जी कम्युनिकेशन सेवा में रैस्पेरीपाई की महत्वपूर्ण भूमिका को चिन्हित करते हुए इस एफडीपी की विषय वस्तु की प्रशंसा की।

एसकेआईटी मे एक सप्ताह के फैकेल्टी डेवलपमेंट प्रोग्राम का शुभारंभ

P3 Police Public Politics

जयपुर । स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी, एंड ग्रामोथन, जयपुर द्वारा रैस्बेरीपाई एंड इट्स इंटरफेसिंग विषय पर एक सप्ताह के फैकेल्टी डेवलपमेंट प्रोग्राम का शुभारंभ हुआ। यह एफडीपी, इलेक्ट्रॉनिक्स और संचार इंजीनियरिंग विभाग द्वारा एन.आई.टी.टी.टी.आर. चंडीगढ़ के सहयोग से आयोजित की गई। उद्घाटन समारोह में मुख्य अतिथि मि. सिद्धार्थ पोखरना डिप्टी डायरेक्टर जनरल, डीओ टी, राजस्थान रहे तथा विशिष्ट अतिथि डॉ पीयूष तिवारी (डायरेक्टर बी.आई.टी. मेसरा जयपुर कंपस) व डॉ ऋतुला ठाकुर एसोसिएट प्रोफेसर एनआईटीटीटीआर चंडीगढ़) रहे। कार्यक्रम की शुरुआत में संस्था के निदेशक श्री जयपाल मील ने सभी आगंतुकों का स्वागत किया तथा एनआईटीटीटीआर चंडीगढ़ को रैस्बेरीपाई जैसे महत्वपूर्ण विषय पर एस.के.आई.टी. के साथ इस एफडीपी के आयोजन के लिए आभार व्यक्त किया। संस्था के



शिक्षाविद निदेशक प्रो. एस. एल. सुराणा ने एस.के.आई.टी की उपलब्धियों से सभी आगंतुकों को परिचित कराया और यह बताया कि अल्प समय में ही संस्था ने अकादमिक क्षेत्र में शीर्ष उपलब्धियों को प्राप्त किया है। मुख्य अतिथि मि. सिद्धार्थ पोखरना ने 5त कम्प्युनिकेशन सेवा में रैस्बेरीपाई की महत्वपूर्ण भूमिका को चिन्हित करते हुए इस एफडीपी की विषय वस्तु की प्रशंसा की। डॉ. पीयूष तिवारी ने रैस्बेरीपाई के महत्ता तथा इसकी विस्तृत क्षमता पर प्रकाश डाला ।

डॉ. मुकेश अरोड़ा (विभागाध्यक्ष डूईसीई, हेड ऑफिस ऑफ फैकल्टी अफेयर) ने धन्यवाद प्रस्ताव रखा तथा कार्यक्रम के आयोजकों को इस महत्वपूर्ण एफडीपी के आयोजन के लिए बधाई दिया। डॉ ऋतुला ने रैस्बेरीपाई से जुड़ी हुई आधारभूत जानकारीयां दी तथा इसके हार्डवेयर कार्यप्रणाली से सभी को अवगत कराया । कार्यक्रम के संयोजक डॉ मोनिका माथुर, किरण राठी तथा हर्षल निगम रहे एवम मंच संचालन मिस ग्लोरिया जोसेफ ने किया ।

एस्केआईटी

फैकल्टी डेवलपमेंट प्रोग्राम का शुभारंभ

5जी कम्युनिकेशन व एडवांस टेक्नोलॉजी पर की चर्चा

वेधइक । जयपुर

स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी एंड ग्रामोद्योग, जयपुर द्वारा रैस्बेरीपाई एंड इट्स इंटरफेसिंग विषय पर एक सप्ताह के फैकल्टी डेवलपमेंट प्रोग्राम का शुभारंभ किया गया। यह एफडीपी, इलेक्ट्रॉनिक्स और संचार इंजीनियरिंग विभाग द्वारा एनआईटीटीआर चंडीगढ़ के सहयोग से आयोजित किया गया। उद्घाटन समारोह में मुख्य अतिथि सिद्धार्थ पोखरना डिप्टी डायरेक्टर जनरल, डीओटी रहे। विशिष्ट अतिथि डॉ. पीयूष तिवारी (डायरेक्टर बीआईटी मेसरा जयपुर कैंपस) व डॉ. ऋतुना ठाकुर एसोसिएट प्रोफेसर एनआईटीटीआर चंडीगढ़ रहे।



कार्यक्रम की शुरुआत में संस्था के निदेशक जयपाल मील ने सभी आगंतुकों का स्वागत किया। साथ

ही एनआईटीटीआर चंडीगढ़ को रैस्बेरीपाई जैसे महत्वपूर्ण विषय पर एस्केआईटी के साथ इस एफडीपी

के आयोजन के लिए आभार व्यक्त किया। इंस्टीट्यूट के निदेशक प्रो. एस. एल. सुराणा ने एस्केआईटी

की उपलब्धियों से कार्यक्रम में मौजूद सभी आगंतुकों को परिचित कराया और बताया कि अल्प समय

में ही इंस्टीट्यूट ने अकादमिक क्षेत्र में शीर्ष उपलब्धियों को प्राप्त किया है।

आधारभूत जानकारी से कराया अवगत

मुख्य अतिथि सिद्धार्थ पोखरना ने 5जी कम्युनिकेशन सेवा में रैस्बेरीपाई की महत्वपूर्ण भूमिका को चिन्हित करते हुए इस एफडीपी की विषय वस्तु की प्रशंसा की। डॉ. पीयूष तिवारी ने रैस्बेरीपाई की महत्ता तथा इसकी विस्तृत क्षमता पर प्रकाश डाला। डॉ. मुकेश अरोड़ा (विभागाध्यक्ष-ईसीई, हेड ऑफिस ऑफ फैकल्टी अफेयर) ने धन्यवाद प्रस्ताव रखा तथा कार्यक्रम के आयोजकों को इस महत्वपूर्ण एफडीपी के आयोजन के लिए बधाई दी। डॉ. ऋतुना ने रैस्बेरीपाई से जुड़ी हुई आधारभूत जानकारी दी तथा इसकी हार्डवेयर कार्यव्रणाली से सभी को अवगत कराया। कार्यक्रम के संयोजक डॉ. मोनिका माथुर, किरण राठी तथा हर्षल निगम रहे।



फैकल्टी डेवलपमेंट प्रोग्राम का शुभारंभ



जयपुर, समाचार जगत न्यूज । स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी, एंड ग्रामोथन, जयपुर की ओर से रैस्बेरीपाई एंड इट्स इंटरफेसिंग विषय पर एक सप्ताह के फैकल्टी डेवलपमेंट प्रोग्राम का शुभारंभ हुआ। यह एफडीपी, इलेक्ट्रॉनिक्स और संचार इंजीनियरिंग विभाग की ओर से एन.आई.टी.टी.टी.आर. चंडीगढ़ के सहयोग से आयोजित की गई। उद्घाटन समारोह में मुख्य अतिथि मि. सिद्धार्थ पोखरना डिप्टी डायरेक्टर जनरल, डीओ टी, राजस्थान रहे तथा विशिष्ट अतिथि डॉ. पीयूष तिवारी (डायरेक्टर बी.आई.टी. मेसरा जयपुर कैंपस) व डॉ. ऋतुला

ठाकुर एसोसिएट प्रोफेसर एनआइटीटीटीआर चंडीगढ़) रहे। कार्यक्रम की शुरुआत में संस्था के निदेशक जयपाल मील ने सभी आगंतुकों का स्वागत किया तथा एनआइटीटीटीआर चंडीगढ़ को रैस्बेरीपाई जैसे महत्वपूर्ण विषय पर एस.के.आई.टी. के साथ इस एफडीपी के आयोजन के लिए आभार व्यक्त किया। संस्था के शिक्षाविद निदेशक प्रो. एस. एल. सुराणा ने एस.के.आई.टी. की उपलब्धियों से सभी आगंतुकों को परिचित कराया और यह बताया कि अल्प समय में ही संस्था ने अकादमिक क्षेत्र में शीर्ष उपलब्धियों को प्राप्त किया है।

रास्पबेरी पाई एंड ईटस् इंटरफेसिंग पर सप्ताहिक फैकल्टी डेवलपमेंट प्रोग्राम समापन

P3 Police Public Politics

जयपुर। एसकेआईटी ,ई.सी.ई डिपार्टमेंट एवं एन आई टी टी आर , चंडीगढ़ द्वारा रास्पबेरी पाई एंड ईटस् इंटरफेसिंग पर साप्ताहिक एफ डी पी का समापन हुआ जिसके गेस्ट ऑफ आनर डॉ. घनश्याम सिंह, प्रोफेसर, एम.एन.आई.टी. रहें।

डॉ. मुकेश अरोरा , हेड ई.सी.ई. एंड ओ.एफ.ए., पी. के. जैन, डिप्टी एच. ओ. डी और डॉ रितुला ठाकुर , असोसिएट प्रोफेसर, एन आई टी टी आर , चंडीगढ़ इसमें उपस्थित रहे। हर्शल निगम, असिस्टेंट प्रोफेसर, एस. के. आई.



टी. ने एफ डी पी की रिपोर्ट पढ़ी। पांच दिन में फैकल्टी ने रास्पबेरी पाई के बारे में सीखा और हैंडस ऑन सेशन में भाग भी लिया,

इसमें 230 प्रतिभागियों ने ऑनलाइन व ऑफलाइन मोड में भाग लिया। अंत में

डॉ मोनिका माथुर, असोसिएट प्रोफेसर ,एस. के. आई. टी. ने वोट ऑफ थैंक्स दिया। एफ डी पी के कॉर्डिनेटर डॉ मोनिका माथुर, मिस किरण राठी एवं मिस्टर हर्शल निगम रहे। मंच संचालन मिस ग्लोरिया जोसफ ने किया।

13. Technical Report

- Faculty Development Program on “Raspberry Pi and its Interfacing” organized by Department of Electronics and Communication Engineering, Swami Keshvanand Institute of Technology, Management & Gramothan Jaipur in association with NITTTR, Chandigarh. The FDP was in hybrid mode having both online and offline participants.
- **Day-1** started with the inaugural ceremony. **Sh. Siddharth Pokharna, Sr. DDG Department of Telecom, Rajasthan** was the chief guest for inaugural ceremony along with our Guest of Honor **Dr. Peeyush Tiwari, Director, BIT Mesra, Jaipur Campus** and **Dr. Ritula Thakur, Associate Professor, NITTTR, Chandigarh**
- The second session of first day started with Introduction to Raspberry Pi by Dr. Ritula Thakur followed by Python Programming for Raspberry Pi in the third session
- The first and second sessions of **Day-2** started with installation of Node Red with Raspberry Pi by **Mr. Ajay Godara Founder & CEO, Enovate Skills**, followed by a practice task in the third session by **Dr. Ritula Thakur**
- The first and second sessions of **Day-3** started with some simulations performed on Node Red with Raspberry Pi by Mr. Ajay Godara, followed by a practice task in the third session by Dr. Ritula Thakur
- The first session on **Day-4** started with an expert talk by **Mr. Snehanishu Shekhar Assistant Professor BIT Mesra, Jaipur Center** on the topic **Raspberry pi and Intelligent Instrumentation** followed by the expert talk on the **Raspberry Pi in IOT Applications** by **Prof. Dr. Rajeev Mathur Director, School of Engineering and Technology, JNU, Jaipur** in the second session. In the third session **Dr. Amit Mahesh Joshi, Assistant Professor MNIT Jaipur** enlightened us with his talk on the topic **IOT in smart Healthcare along with Applications and Challenges**
- Finally, **Day-5** opened with the expert talk by **Dr. Payal Bansal Dean R& D, IPR, Associate Professor, Poornima College of Engineering, Jaipur** on the topic **Hardware Requirements for Module Interfacing using Raspberry Pi** in the first session. The FDP ended with a Quiz for participants related to the information gathered by them during the five days of the event
- The discussed topics were of great benefit for the participants as they were enlightened with the most widely used advance tools, strategies and techniques being used for Raspberry Pi and its applications

---Thank You-----