REGISTRATION FORM

Hands-on Faculty Development Programme
On
Software Defined Radio(23ʳᵈ FEBRUARY)

1. Name of Applicant: ....
2. Sex: Male/Female ....
3. Designation: ....
4. Highest Qualification: ....
5. Department: ....
6. Teaching Experience (Years):......................................
7. Name/Address of affiliated College/
Organization: ....
8. Phone/Mobile No.: ....
9. E-Mail: ....
10. Food Preference: Veg/Non-Veg ....

DECLARATION

I .... declare that the information furnished herewith is true to the best of my knowledge and belief. I agree to abide by the rules and regulations governing the course. If I am selected, I shall attend the course for the entire duration.

Signature of the applicant: ....

SPONSORSHIP

This is to certify that Dr./Mr./Ms...................................... is a faculty member of our institution and is hereby sponsored for the Short term course on Software Defined Radio. The applicant would be permitted to attend the course if selected.

Signature of Head of Institution   Office Seal

WHO CAN ATTEND

The FDP is open for faculty of APJ Abdul Kalam Technological University (APJAKTU) affiliated Engineering Colleges. Participants from Govt Organisations and industries are also welcome.

ADVISORY COMMITTEE

Rev.Fr Benjamine Palliyadiyil ,Manager BJI

Rev.Fr Arun J Aradan,Bursar BJI

Dr Roshan Kumar,Principal BJI

Dr Kim J Seelan ,Vice Principal BJI

Dr Vidya G S, Dean BJI

Prof Roy S ,HOD, ECE BJI

FACULTY COORDINATOR

Ms Blessy Babu(Asst Professor ECE)

Ph: 8281248784/9447773774

Email: blessy@bjgi.in
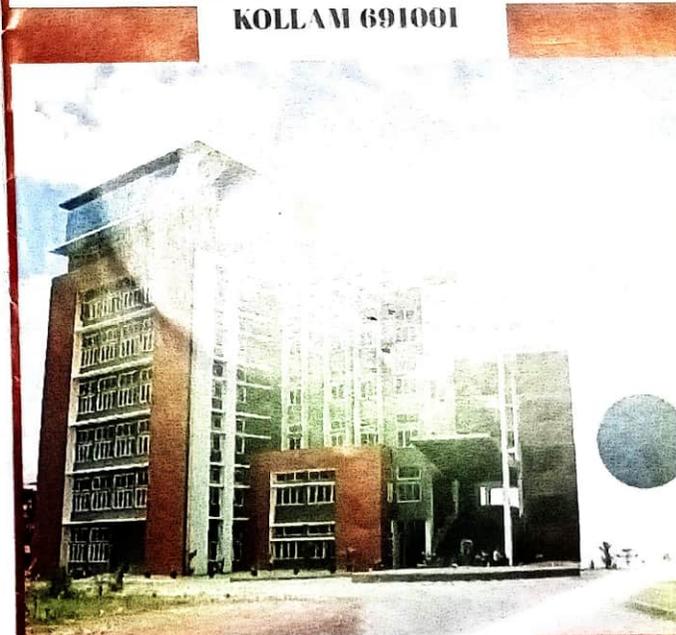
HANDS ON FACULTY DEVELOPMENT PROGRAMME

ON

Introduction to SDR
23ʳᵈ FEBRUARY 2024

Organized by
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Sponsored by
BISHOP JEROME INSTITUTE
KOLLAM 691001

RESOURCE PERSON

Prof. Deebu U S, Department of Electronics and Communication, College of Engineering Adoor

IMPORTANT DATES

Last Date Of Registration -
17th February 2024

Confirmation Of Registration -
19th February 2024

REGISTRATION

The participants have to fill and submit the Registration form through http://tinyurl.com/yv8faxc5

REGISTRATION FEES

Rs. 250/- for Research Scholars and PG Students
Rs. 300/- for Faculty Members from Educational Institutions
Rs. 500/- for Professionals from Industries and Government Departments

Selected Participants will be intimated by email.

ABOUT COLLEGE.

Bishop Jerome Institute is committed to provide professional education in a Christian atmosphere to all the students who join the institution for pursuing their professional studies. The institution maintains an ambience conducive to academic pursuits, while encouraging in its students an observing eye and an enquiring mind that will facilitate their transformation into genuine professionals. The institution also has a social mission to turn out leaders with social commitment and moral values, who will pioneer a social transformation for a brighter world. The institution hosts an integrated technical campus with three different schools of studies namely, School of Engineering and Technology, School of Architecture, and School of Management.

ABOUT DEPARTMENT.

The Electronics and Communication Engineering Department at Bishop Jerome Institute is a leading force in educating the next generation of engineers. Our courses cover diverse areas such as analog and digital communication, signal processing, digital system design, and software development, guided by a highly qualified faculty and dedicated technical team. With state-of-the-art infrastructure, we aim to equip aspiring engineers with essential skills, fostering a vision to produce world-class Electronics & Communication professionals. Committed to excellence in research and teaching, our goal is to gain recognition as a premier institution dedicated to nurturing intellectual capacity in the rapidly evolving high-tech era.

FDP DETAILS.

The upcoming training program is designed with a primary focus on providing participants with a deep understanding of Software Defined Radio (SDR) hardware for both transmission and reception. This initiative aligns with the curriculum set by the Kerala Technological University (KTU) for the sixth semester, emphasizing theoretical knowledge and hands-on sessions. The central aim is to foster proficiency in utilizing SDR hardware and GNU Radio software, ensuring particip ts are well-equipp for the challenges of the evolving commu   landscape.

COURSE CONTENT

1. Familiarizatio
   - Introduce par   DR hardware for RF signal tra   and reception.
   - Teach the basics of int facing SDR with computers for practical   ations.

2. FM Reception:
   - Instruct participants in receiving and processing digitized FM signals using SDR hardware.
   - Guide them in setting up an FM eiver in GNU Radio and displayi si al spectrums.

3. FM Transmission:
   - Demonstrate the use of a wave file source for FM transmission through SDR.
   - Provide hands-on experience in configuring an FM transmitter in GNU Radio for practical applications.

FACULTY DEVELOPMENT PROGRAM REPORT

HANDS ON FACULTY DEVELOPMENT PROGRAMME ON INTRODUCTION TO SDR

Date: 23/02/24

Venue: MECHANICAL CAD LAB, BJI

Faculty Coordinator:
Asst.Prof Blessy Babu
Department of ECE

Organized By: DEPARTMENT OF ELECTRONICS AND COMMUNICATION

The Faculty Development Program on 'Introduction to SDR' was organized by Department of Electronics and Communication on 23/02/24. The training program was designed with a primary focus on providing participants with a deep understanding of Software Defined Radio (SDR) hardware for both transmission and reception. This initiative aligns with the curriculum set by the Kerala Technological University (KTU) for the sixth semester, emphasizing theoretical knowledge and hands-on sessions. The central aim was to foster proficiency in utilizing SDR hardware and GNU Radio software, ensuring participants are well equipped for the challenges of the evolving communication landscape.

Course Contents:

1. Familiarization with SDR:
   Introduce participants to SDR hardware for RF signal transmission and reception.
   Teach the basics of interfacing SDR with computers for practical applications.

2. FM Reception:
   Instruct participants in receiving and processing digitized FM signals using SDR hardware.
   Guide them in setting up an FM receiver in GNU Radio and displaying signal spectrums.

3. FM Transmission:
   Demonstrate the use of a wave file source for FM transmission through SDR.
   Provide hands-on experience in configuring an FM transmitter in GNU radio for practical applications.

The Resource person of FDP was Prof.Deebu U.S, College of Engineering,Adoor.

The FDP saw enthusiastic participation from faculty members from different engineering colleges. A total of 30 participants attended the program. The participants came from various institutions and disciplines, bringing diverse perspectives and contributing to a rich exchange of ideas.

The feedback from participants was overwhelmingly positive. Some of the key points highlighted by participants were:

The sessions were highly informative and relevant to current teaching practices.
The resource person provided valuable insights.
The hands-on training was practical and directly applicable to teaching and research activities.
Increased confidence in implementing SDR and techniques in the classroom.
Collaboration opportunities with peers and experts.

The FDP was a resounding success in achieving its objectives. The insights gained during the FDP will undoubtedly contribute to the professional growth of faculty members and the improvement of academic practices.

Deepthi Felix

HOD BCB

External Participants

SI	Name	Organization	Mobile Number	Designation	hardcopy
1	M S PARVATHY	VKCET, PARIPALLY	9400513752	Assistant Professor	
2	Saniya Azeem	TKM College of Engineering	9072707183	Assistant Professor	✓
3	JASIM JALALUDEEN	COLLEGE OF ENGINEERING PERUMO	9188214300	Assistant Professor	
4	Jenny Patrick	CE, Perumon	9995457108	Assistant Professor	✓
5	Amina N	TKMCE	8593937413	Assistant Professor	
6	Haris A	TKM College of Engineering	8089310639	Tradesman	✓
7	Manju I Kollannur	Christ College of Engineering	9947593631	Assistant Professor	✓
8	Listy. V. V	Christ College of Engineering Irinjalakuda	9744294987	Lab Instructor	✓
9	Dr. ASWATHY G P	TKM COLLEGE OF ENGINEERING	9526630080	Assistant Professor	✓
10	Anupama A	College of Engineering, Chengannur	9633626633	Assistant Professor	✓
11	Divya Madhu	UKFCET	9995208058	Assistant Professor	✓
12	Riyas A N	Younus College of Engineering and Tech	9496535483	Assistant Professor	Anjn .
13	Sarath Gopal	Younus College of Engineering and Tech	7034125964	Assistant Professor	Anju MH.
14	SHAFEENA S	College of Engineering pathanapuram	8129275181	Assistant Professor	Neethu .
15	Seena R	College of Engineering. PATHANAPURA	9495351004	Assistant Professor	Deepthi mass scan copy .
16	ASEENA.A	College of Engineering Perumon	09446182857	Assistant Professor	✓
17	Cinora M	College of Engineering Aranmula	9645757276	Assistant Professor	✓
18	Lisha Gopalakrishna P	College of Engineering, Aranmula	+91960513236	Assistant Professor	✓
19	SURUMI S	MESITAM	9447990719	Assistant Professor	Blenny.
20	Lekshmi Raj R.	SNIT, ADOOR	9846442338	Assistant Professor	Blany .
21	Norma Jacob	Gurudeva Institute of Science and Techno	8281657935	Assistant Professor	Neethu .
22	Arya Johny	Gurudeva Institute of Science and Techno	8547825209	Assistant Professor	Neethu .
23	Dr. Nishanth .	TKM.			Anju
24	Prajeesh .	.			Blenmini

Dr. As

BISHOP JEROME INSTITUTE, KOLLAM
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Hands-On Faculty Development Programme in Software Defined Radio (SDR)

Feedback Form

Thank you for participating in the Hands-On Faculty Development Programme in Software Defined Radio (SDR). Your feedback is invaluable in helping us improve the quality of our future programmes. Please take a few moments to provide us with your feedback.

Name:

Department/Institution:

1. How relevant were the hands-on sessions to your understanding of SDR concepts?

[✓] Highly Relevant   [ ] Somewhat Relevant

[ ] Relevant   [ ] Not Relevant

2. How effective were the practical exercises?

[✓] Very Effective   [ ] Effective

[ ] Somewhat Effective   [ ] Not Effective

3. How helpful was the guidance provided by the instructors during the hands-on sessions?

[✓] Very Helpful   [ ] Somewhat Helpful

[ ] Helpful   [ ] Not Helpful

4. How would you rate the overall organization of the hands-on programme?

[✓] Excellent   [ ] Good

[ ] Fair   [ ] Poor

5. Suggestions for Improvement:

Nil

Thank you for taking the time to complete this feedback form. Your input is greatly appreciated and will help us enhance the hands-on experience in future programmes.

HANDS ON FACULTY DEVELOPMENT PROGRAMME
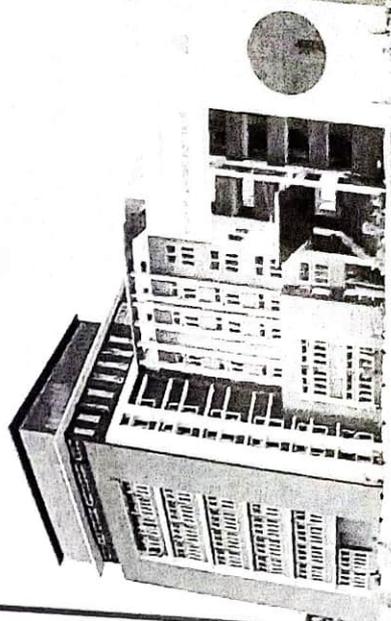
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Ms Blessy Babu(Asst Professor ECE)

Ph: 8281248784/9447773774

Email: blessy@bjgi.in

REGISTRATION FORM

Hands-on Faculty Development Programme

On

Software Defined Radio(23rd FEBRUARY)

Name of Applicant: Riyas.A.N

Sex: Male/Female Male

Designation: Asst. Professor

Highest Qualification: M.Tech

Department: ECE

Teaching Experience (Years): 12

Name/Address of affiliated College/ Organization: YCET

Phone/Mobile No.: 9496535483

E-Mail: an.riyas@ycet.ac.in

Food Preference: Veg/Non-Veg Non-Veg

DECLARATION

I Riyas.A.N declare that the information furnished herewith is true to the best of my knowledge and belief. I agree to abide by the rules and regulations governing the course. If I am selected, I shall attend the course for the entire duration.

Signature of the applicant:

SPONSORSHIP

This is to certify that Dr./Mr./Ms. Riyas.A.N is a faculty member of our institution and is hereby sponsored for the short term course on Software Defined Radio. He/she if selected would be permitted to attend the course if selected.

Signature of Head of Institution

REGISTRATION FORM

Hands-on Faculty Development Programme
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Software Defined Radio(23rd FEBRUARY)

1. Name of Applicant: ASEENA . A
2. Sex: Male/Female FEMALE
3. Designation: AP IN ECE
4. Highest Qualification: M.TECH
5. Department: ECE
6. Teaching Experience (Years): 18 YRS
7. Name/Address of affiliated College/
Organization: C.E., PERUMON
8. Phone/Mobile No.: 9446182857
9. E-Mail: aseena.asimudeen@gmail.com
10. Food Preference: Veg/Non-Veg Veg

DECLARATION

I ASEENA . A declare that the information furnished herewith is true to the best of my knowledge and belief. I agree to abide by the rules and regulations governing the course. If I am selected, I shall attend the course for the entire duration.

Signature of the applicant:

SPONSORSHIP

This is to certify that Dr/Mr./Ms ASEENA .A is a faculty member of our institution and is hereby sponsored for the Short term course on Software Defined Radio. The applicant would be permitted to attend the course if selected.

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Office Seal

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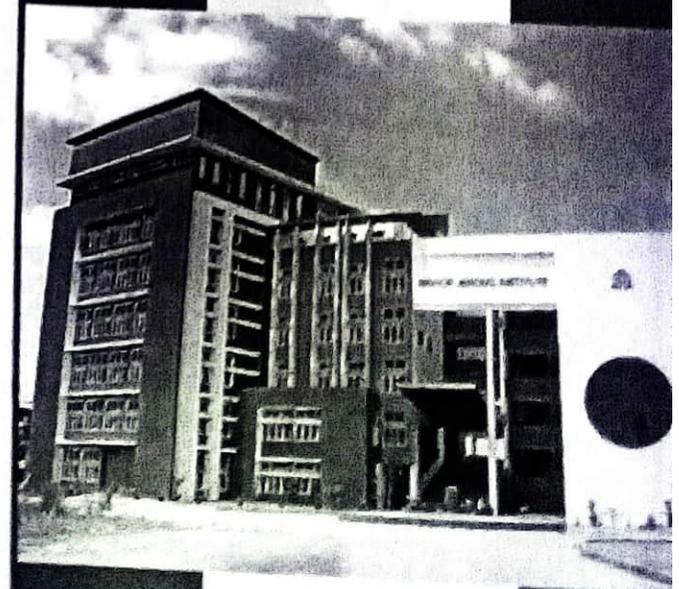

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Software Defined Radio(23rd FEBRUARY)**

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2. Sex: Male/Female FEMALE
3. Designation: AP IN ECE
4. Highest Qualification: M.TECH
5. Department: ECE
6. Teaching Experience (Years): 18 YRS
7. Name/Address of affiliated College/
Organization: C.E., PERUMON
8. Phone/Mobile No.: 9446182857
9. E-Mail: aseena-asimudeen@gmail.com
10. Food Preference: Veg/Non-Veg Veg

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