



K.S. INSTITUTE OF TECHNOLOGY, BANGALORE - 560109

#14, Raghuvanahalli, Kanakapura Main Road, Bengaluru-5600109

DEPARTMENT OF MECHANICAL ENGINEERING

REPORT OF FDP: NO CODE AI

Broucher

The brochure is for a 'Five Day FDP on NO CODE AI' held from 01/02/2022 to 05/02/2022. It is organized by the Department of Mechanical Engineering, School of Engineering, Presidency University. The brochure lists the following details:

- Chief Patron:** Mr. Nissar Ahmed, Honourable Chancellor, Presidency University.
- Patrons:** Dr. D. Subhakar, Vice-Chancellor, Presidency University; Dr. A.M. Surendra Kumar, Pro-Vice-Chancellor, Presidency University.
- Advisory Committee:** Dr. Beeran Maidin, Registrar, Presidency University; Mr. Minmay Blawas, Registrar - Accreditation & Corporate Relations, Presidency University; Dr. C. S. Ramesh, Dean - R & I, Presidency University; Dr. P. S. Venkataramu, Dean - Academics, Presidency University; Dr. Abdul Sharief, Dean - SoE, Presidency University; Dr. S. B. Anaslini, Associate Dean - SoE, Presidency University.
- Convener:** Dr. Satish Babu B, Associate Professor & HOD in Charge, Dept. of Mechanical Engg., Presidency University.
- Organizing Secretary:** Priyanka S. Umarji (89046 16334).
- Co-ordinator:** Sandeep G M (85535 50930).

Workshop Schedule:

- Feb 1:** SUNIL KUMAR N, Sr. Developer, Intretra technologies, Introduction and Basics on Python.
- Feb 2, 3, & 4:** JAY BHARATHEESH SIMHA, Director, Numentrix consultancy, Exclusive Workshop on ML for Mechanical Engineers.
- Feb 5:** AMARESH P KANDAGAL, Sr. Research Scientist, Toshiba Software India Pvt Ltd, Analytics for Smart Manufacturing.

Registration: FREE REGISTRATION LINK: <https://forms.office.com/r/JLN5Km27xl>. A QR code is provided for scanning to access the registration link.

Location: Italgapura, Rajanukunte, Yelahanka, Bengaluru - 560076.

Faculty development program : NO CODE AI

Organized by: Department of Mechanical Engineering, School of Engineering, Presidency University, Bengaluru

Duration: 01/02/2022 to 05/02/2022

Objective: The workshop aimed to introduce and familiarize participants with the latest advancements and applications of AI that do not require traditional coding, empowering educators with innovative teaching tools in artificial intelligence.

Program Overview:

- Days were dedicated to various aspects of No Code AI.
- Sessions led by experts like Sunil Kumar N, Jay Bharatheesh Simha, and Amareesh P Kandagal.
- Topics covered Python basics, introduction to No Code AI, and its relevance to

mechanical engineering.

Participants:

- Open to faculty members interested in AI advancements.
- Mr. Manjunatha B R from KSIT participated in the event.

Outcomes:

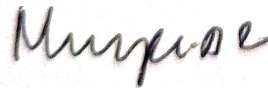
- Participants gained an understanding of AI applications without the need for coding.
- Educators equipped with new tools to enhance the learning experience in engineering education.

Organizing Committee:

- Convenor: Dr. Satish Babu B, Associate Professor & HOD In Charge
- Co-organizer: Priyanka S Umarji, Organizing Secretary
- Program co-coordinators included Prof. Harish Kumar D Asst. Prof., ME and others.

Conclusion: The FDP successfully enriched the teaching faculty with practical knowledge of emerging technologies in AI, specifically No Code AI tools, which are becoming increasingly important in the educational sector for providing hands-on learning experiences without the steep learning curve of traditional programming

SUBMITTED BY:



Mr. Manjunatha B R



Dr.GIRISH.T.R

Girish



PRESIDENCY UNIVERSITY

Private University Estd. in Karnataka State by Act No. 41 of 2013



Department of Mechanical Engineering, School of Engineering, Presidency University, Bengaluru

CERTIFICATE OF PARTICIPATION

This is to certify that

Dr. Girish TR

of
KSIT

has participated in

Five Day workshop on "No Code AI" organised by the Department of
Mechanical Engineering from 01/02/2022 to 05/02/2022

Dr. Satish Babu B

HOD In Charge

Dr. S B Anadinni

Associate Dean-SoE

Dr. Abdul Sharief

Dean-SOE

Dr. A M Surendra Kumar

Pro-Vice Chancellor

SIGNATURE OF HOD

Head of the Department
Dept. of Mechanical Engg.
K.S. Institute of Technology
Bengaluru - 560 109

SIGNATURE OF PRINCIPAL
PRINCIPAL

K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.



K.S. INSTITUTE OF TECHNOLOGY, BANGALORE - 560109



#14, Raghuvanahalli, Kanakapura Main Road, Bengaluru-5600109

DEPARTMENT OF MECHANICAL ENGINEERING

REPORT OF FDP: An Overview of Teaching Techniques in Innovation & Design Thinking”

Broucher

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<p>AICTE-VTU Joint Training Programme for AICTE Approved & VTU Affiliated Technical Institutions Teachers</p> <p>One Week Training Programme for Teachers On “An Overview of Teaching Techniques in Innovation and Design Thinking”</p> <p><u>REGISTRATION FORM</u></p> <p>Name: _____</p> <p>Mobile: _____</p> <p>Email: _____</p> <p><u>Declaration by the Applicant</u> If selected, I agree to abide by the rules and regulations of the training programme of VTU-HRDC and shall attend all the sessions compulsorily.</p> <p>Date: _____</p> <p>Signature of the Applicant _____ Recommended and Forwarded _____ Signature of the Head of the Institution _____</p>	<p>CHIEF PATRON Dr. Karisiddappa Hon'ble Vice Chancellor, VTU, Belagavi</p> <p>PATRONS Dr. Anand S Deshpande Registrar, VTU, Belagavi Dr. Rangaswamy B E Registrar (Evaluation), VTU, Belagavi Mrs. A. Sapna Finance Officer, VTU, Belagavi Dr Sudarshan Reddy H R Coordinator, VTU CPOSS, VIAT, Maddurahalli</p> <p>University Coordinator Dr. N Chikkanna Regional Director (U/c), VTU Regional Office, Bengaluru</p> <p>Program Coordinator Dr. Thirtha Prasada H.P. Associate Professor & Program Coordinator, Dept. of ME, VTU-CPOSS, Maddurahalli</p> <p>ORGANISING COMMITTEE Dr. Basavaraj, Assoc. Professor & Chairperson, Dept. of APT Dr. Shama Marthy G, Assoc. Prof. & Prog. Coordinator, Dept. of CSE Dr. Shikha Raga, Assoc. Prof. & Prog. Coordinator, Dept. of ECE Dr. H.H. Ramappa, Program Coordinator, Dept. of MBA Dr. Dhanesh Rangappa, Professor, Dept. of IT Dr. G. S Venkatesh, Professor, Dept. of ME Dr. T. C. Tarapur, Professor, Dept. of ECE Dr. Anand Kumar S, Assoc. Professor, Dept. of IT Dr. Pankajalokha, Assoc. Prof. Dept. of MBA Dr. Ashwin C. Gowda, Asst. Professor, Dept. of ME Dr. Prasad U.Radar, Asst. Professor, Dept. of ME Mrs. Kishore M, Asst. Professor, Dept. of ECE Mr. Sanjay G. Patil, Asst. Professor, Dept. of APT Dr. Prasanna D. E, Asst. Professor, Dept. of IT Dr. Soopashantha S, Asst. Professor, Dept. of MBA Mr. Lakshminarayana K, Asst. Professor, Dept. of MBA Mrs. Niveditha M.U, Asst. Professor, Dept. of MBA Dr. Venkatesh K, Asst. Professor, Dept. of MBA Dr. Nirmala Hemara, Asst. Professor, Dept. of CSE Mrs. Ramita Malgi, Asst. Professor, Dept. of CSE Mr. Yashu H. B. H, Asst. Professor, Dept. of CSE Mr. Vishwanath H, Asst. Professor, Dept. of MBA Mr. Vinod Kumar G, Asst., VTU RO, Bengaluru</p>	<p>AICTE-VTU Joint Training Programme for AICTE Approved & VTU Affiliated Technical Institutions Teachers</p> <p>One Week Training Programme for Teachers On “An Overview of Teaching Techniques in Innovation and Design Thinking”</p> <p>27th Dec 2021 – 31st Dec 2021</p>   <p>Organized By: VTU- Human Resource Development Cell (HRDC) Visvesvaraya Technological University Centre for Post Graduate Studies Bengaluru Region, Maddurahalli Chikkaballapur-562101</p> <p>Venue: Online Platform: CISCO WebEx</p>
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About the VTU

Visvesvaraya Technological University (VTU) named after Bharat Ratna Dr. Sir M. Visvesvaraya established on 1st April 1998, as per the VTU Act 1994 of the Government of Karnataka. University has been established by the Government of Karnataka in order to promote planned and sustainable development of technical education and has its Head Office located in Belagavi in the state of Karnataka. Reckoning the fact that, University is a seat of confluence of knowledge and as a technological University, Visvesvaraya Technological University does not restrict itself only to curricular activities but also emphasizes on the overall growth of knowledge in society and hence its campus in Belagavi is named aptly as "Jnana Sangama". The University has jurisdiction over the whole state of Karnataka. VTU has established four regional centers at Bengaluru, Mysuru, Kalburgi and Belagavi for administrative convenience. VTU is one of the prestigious and largest technological Universities in the India having one Constituent College, 220 Engineering colleges and 20 Autonomous Colleges.

VTU is imparting technical education to more than 1.6 lakh students under its 35 Undergraduate & 94 Postgraduate Programs. VTU is offering Doctoral programmes in 865 departments in various affiliated Colleges which have been recognized as research centers. Around 5000 Research Scholars are pursuing for Doctoral and M.Sc. (Engineering) By Research programmes. VTU has established full-pledged Centers for Post Graduate Studies at Muddenahalli, Kalburgi, Belagavi and Mysuru.

About AICTE, New Delhi

All India Council for Technical Education (AICTE) was set up in November 1945 as a national-level apex advisory body to conduct a survey on the facilities available for technical education and to promote development in the country in a coordinated and integrated manner. And to ensure the same, as stipulated in the National Policy of Education (1986), AICTE was vested with:

- Statutory authority for planning, formulation, and maintenance of norms & standards
- Quality assurance through accreditation
- Funding in priority areas, monitoring, and evaluation
- Maintaining parity of certification & awards.

About the VTU PG Centre, Muddenahalli

The Visvesvaraya Technological University, Post Graduate Center, Bengaluru Region, Muddenahalli has 200 acres campus located at Muddenahalli, Chikkaballipora (Dist). Muddenahalli is the birth place of great legend Bharata Ratna Sir M. Visvesvaraya. It has all necessary infrastructure required for imparting quality education through its well-structured administrative and academic staff for overall development of student's personality. Center for PG Studies has five full time post graduate programmes in M.Tech, MBA and MCA. All the departments have well qualified faculty.

About Training Programme:

There has been increasing emphasis on research and development, creativity and innovation due to globalization, intense competition and rapid technological developments. Society is facing a number of challenges that require novel responses. Products have shorter life cycles and there is a need to develop new products that meet the needs and expectations of customers. Creativity and innovation have become essential for survival of any organization or industry. Creativity may not lead to innovation but for any innovation to happen, creativity is essential. Thus, it is essential to develop capabilities to solve problems creatively, innovate and undertake R & D among learners of 21st century. The module aims at enabling the teachers working in technical institutions to understand the concept and process of creative problem solving, innovation and R & D so as to enable them solve problems faced creatively and innovate the processes, products, and services in institutions or in their own areas of specializations; and to ensure development of these capabilities among the learners. In addition, the module aims at enabling the teachers to undertake research to improve the relevance, efficiency and effectiveness of various sub-components of technical education system.

Innovation and Design Thinking Training programme provides an introduction to the basic concepts and techniques of engineering, industrial design skills and design knowledge, real design, creative and analytical thinking, reverse engineering, basics and development of engineering drawing, application of engineering drawing, etc.

Resource Persons:

Renowned Experts from reputed Institutions, Senior Faculties of VTU and Industry Experts.

Eligibility:

Teachers from AICTE Approved and VTU Affiliated Technical Institutes those who are interested in teaching the "Innovation and Design Thinking" course.

Registration Fee:

No Registration Fee.

How to Apply:

Registration through Google Form link - <https://forms.gle/3Zp3V53vwybMjpcEA>

Programme Timings (Each Day):

- First session: 10 am to 1 pm (3 hours)
- Lunch break: 1 pm to 1.30 pm
- Second session: 1.30 pm to 4.30 pm (3 hours).

Certificate:

The certificate of participation for the faculty who registers for the programme shall be issued, provided they satisfy the attendance requirement of 80 % of the 10 sessions held during five days of the programme and secure 60 % of the maximum marks (100) prescribed for formative evaluation and summative evaluation.

Contact for Information:

Dr. Thirthaprasada HP: Mob: 888466688
9448212726

Email: thirthaprasadhp@gmail.com

Report

Faculty Development Program (FDP) Report

Title: An Overview of Teaching Techniques in Innovation & Design Thinking”

Date: 27-12-2021 to 31-12-2021

Organized by: Visvesvaraya Technological University, Centre for Post-Graduation Studies, VIAT, Muddenahalli, in association with AICTE.

Program Coordinator: Dr. Thippeswamy K

VTU Coordinator, Professor & Chairman: Dr. N. Chikkanna

Registrar: Dr. Rangaswamy B. E.

Participant: PARASHURAM.A.K. of KSIT

Summary:

There has been increasing emphasis on research and development, creativity and innovation due to globalization, intense competition and rapid technological developments. Society is facing a number of challenges that require novel responses. Products have shorter life cycles and there is a need to develop new products that meet the needs and expectations of customers. Creativity and innovation have become essential for survival of any organization or industry. Creativity may not lead to innovation but for any innovation to happen, creativity is essential. Thus, it is essential to develop capabilities to solve problems creatively, innovate

and undertake R & D among learners of 21st century. The module aims at enabling the teachers working in technical institutions to understand the concept and process of creative problem solving, innovation and R & D so as to enable them solve problems faced creatively and innovate the processes, products, and services in institutions or in their own areas of

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Innovation and Design Thinking Training programme provides an introduction to the basic concepts and techniques of engineering, industrial design skills and design knowledge, real design, creative and analytical thinking, reverse engineering, basics and development of engineering drawing, application of engineering drawing, etc.

SUBMITTED BY:

Parashuram

PARASHURAM.A.K



[Signature]

SIGNATURE OF HOD
Head of the Department
Dept. of Mechanical Engg.
K.S. Institute of Technology
Bengaluru - 560 109

[Signature]

SIGNATURE OF PRINCIPAL
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DEPARTMENT OF MECHANICAL ENGINEERING

REPORT OF FDP: Introduction to UNIVERSAL HUMAN VALUES

Broucher

AICTE-VTU Joint Training Programme for
AICTE Approved & VTU Affiliated
Technical Institutions Teachers

**One Week Training Programme for Teachers
On**

**"An Overview of Teaching Techniques in
UNIVERSAL HUMAN VALUES "**

REGISTRATION FORM

Name: _____

Mobile: _____

Email: _____

Declaration by the Applicant

If selected, I agree to abide by the rules and regulations of the training programme of VTU-HRDC and shall attend all the sessions compulsorily.

Date: _____ Signature of the Applicant

Recommended and Forwarded

Signature of the Head of the Institution

CHIEF PATRON

Dr. Karisiddappa
Hon'ble Vice Chancellor, VTU, Belagavi

PATRONS

Dr. Anand S Deshpande

Registrar, VTU, Belagavi

Dr. Rangaswamy B E

Registrar (Evaluation), VTU, Belagavi

Mrs. A. Sapna

Finance Officer, VTU, Belagavi

Dr Sudarshan Reddy H R

Coordinator, VTU CPGSB, VIAT, Muddenahalli

University Coordinator

Dr. N Chikkanna

Regional Director (I/C), VTU Regional Office, Bengaluru

Program Coordinator

Dr. Thirtha Prasada H.P.

Associate Professor & Program Coordinator, Dept. of ME,
VTU-CPGS, Muddenahalli

ORGANISING COMMITTEE

- Dr. Baswaraj, Assoc. Professor & Chairperson, Dept. of APT
- Dr. Shiva Murthy G, Assoc. Prof. & Prog. Coordinator, Dept. of CSE
- Dr. Sanku Raja, Assoc. Prof. & Prog. Coordinator, Dept. of ECE
- Dr. H.H. Ramerba, Program Coordinator, Dept. of MBA
- Dr. Dinesh Rangappa, Professor, Dept. of NT
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- Dr. T.C. Tanuja, Professor, Dept. of ICE
- Dr. Anand Kumar S, Assoc. Professor, Dept. of NT
- Dr. Pankajashri, Assoc. Prof. Dept. of MBA
- Dr. Ashwin C. Gowda, Asst. Professor, Dept. of ME
- Dr. Prasad U.Raikar, Asst. Professor, Dept. of ME
- Mrs. Reshma M, Asst. Professor, Dept. of ECE
- Mr. Satjeev G.Palkar, Asst. Professor, Dept. of APT
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- Mr. Yalsha Naik B.H, Asst. Professor, Dept. of CSE
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- Mr. Vinod Kumar G, Asst., VTU RO, Bengaluru

AICTE-VTU Joint Training Programme for
AICTE Approved & VTU Affiliated
Technical Institutions Teachers

One Week Training Programme for Teachers

On

**"An Overview of Teaching Techniques in
UNIVERSAL HUMAN VALUES "**

2nd March 2022 –6th March 2022



Organized By:

**VTU- Human Resource Development Cell (HRDC)
Visvesvaraya Technological University
Centre for Post Graduate Studies
Bengaluru Region, Muddenahalli
Chikkaballapur-562101**

Venue: Online

Platform: CISCO WebEx

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About Training Programme:

Right Understanding, Relationship and Physical Facility (Holistic Development and the Role of Education) Understanding Value Education, Self-exploration as the Process for Value Education, Continuous Happiness and Prosperity – the Basic Human Aspirations, Happiness and Prosperity – Current Scenario, Method to Fulfil the Basic Human Aspirations

Understanding Human being as the Co-existence of the Self and the Body, Distinguishing between the Needs of the Self and the Body, The Body as an Instrument of the Self, Understanding Harmony in the Self, Harmony of the Self with the Body, Programme to ensure self-regulation and Health

Harmony in the Family – the Basic Unit of Human Interaction, 'Trust' – the Foundational Value in Relationship, 'Respect' – as the Right Evaluation, Other Feelings, Justice in Human-to-Human Relationship, Understanding Harmony in the Society, Vision for the Universal Human Order

Natural Acceptance of Human Values, Definitiveness of (Ethical) Human Conduct, A Basis for Humanistic Education, Humanistic Constitution and Universal Human Order, Competence in Professional Ethics Holistic Technologies, Production Systems and Management Models-Typical Case Studies, Strategies for Transition towards Value-based Life and Profession

Resource Persons:

Renowned Experts from reputed Institutions, Senior Faculties of VTU and Industry Experts.

Eligibility:

Teachers from AICTE Approved and VTU Affiliated Technical Institutes those who are interested in teaching the "UNIVERSAL HUMAN VALUES" course.

Registration Fee:

No Registration Fee

How to Apply:

Registration through Google Form link - <https://forms.gle/Zp3V53wytMjgpeFA>

Programme Timings (Each Day):

- First session: 10 am to 1 pm (3 hours).
- Lunch break: 1 pm to 1.30 pm
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Certificate:

The certificate of participation for the faculty who registers for the programme shall be issued, provided they satisfy the attendance requirement of 80 % of the 10 sessions held during five days of the programme and secure 60 % of the maximum marks (100) prescribed for formative evaluation and summative evaluation.

Contact for Information:

Dr. Thirthaprasada HP: Mob: 888466688
9448212726

Email: thirthaprasadh@gmail.com

Report

Faculty Development Program (FDP) Report

Title: UNIVERSAL HUMAN VALUES

Date: 2ND MARCH –6TH MARCH 2022

Organized by: Visvesvaraya Technological University, Centre for Post-Graduation Studies, VIAT, Muddurahalli, in association with AICTE.

Program Coordinator: Dr. Thippeswamy K

VTU Coordinator, Professor & Chairman: Dr. N. Chikkanna

Registrar: Dr. Rangaswamy B. E.

Participant: Mr. HARISH U

Summary:

The AICTE-VTU Joint Teachers Training Programme on "UNIVERSAL HUMAN VALUES." was a one-week course designed to learn the importance of human values. The course consists of Right Understanding, Relationship and Physical Facility (Holistic Development and the Role of Education) Understanding Value Education, Self-exploration as the Process for Value Education, Continuous Happiness and Prosperity – the Basic Human Aspirations, Happiness and Prosperity – Current Scenario, Method to Fulfil the Basic Human Aspirations

Understanding Human being as the Co-existence of the Self and the Body, Distinguishing between the Needs of the Self and the Body, The Body as an Instrument of the Self, Understanding Harmony in the Self, Harmony of the Self with the Body, Programme to ensure self-regulation and Health

Harmony in the Family – the Basic Unit of Human Interaction, 'Trust' – the Foundational Value in Relationship, 'Respect' – as the Right Evaluation, Other Feelings, Justice in

Human-to-Human Relationship, Understanding Harmony in the Society, Vision for the Universal Human Order

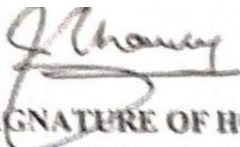
Natural Acceptance of Human Values, Definitiveness of (Ethical) Human Conduct, A Basis for Humanistic Education, Humanistic Constitution and Universal Human Order, Competence in Professional Ethics Holistic Technologies, Production Systems and Management Models-Typical Case Studies, Strategies for Transition towards Value-based Life and Profession


SUBMITTED BY:



HARISH U




SIGNATURE OF HOD
Head of the Department
Dept. of Mechanical Engg.
K.S. Institute of Technology
Bengaluru - 560 109


SIGNATURE OF PRINCIPAL
PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.



K.S. INSTITUTE OF TECHNOLOGY, BANGALORE - 560109

#14, Raghuvanahalli, Kanakapura Main Road, Bengaluru-5600109

DEPARTMENT OF MECHANICAL ENGINEERING

FDP: An Overview of Teaching Techniques in Data Science and Analytics

BROCHURE

AICTE-VTU Joint Training Programme for Teachers from AICTE Approved & VTU Affiliated Technical Institutions

One Week Training Programme for Teachers

On

"Data Science & Analytics"

25th to 29th April 2022

REGISTRATION FORM

Name: _____

Mobile: _____

Email: _____

Declaration by the Applicant

If selected, I agree to abide by the rules and regulations of the training programme of AICTE-VTU and shall attend all the sessions compulsorily.

Date: _____ Signature of the Applicant

Recommended and Forwarded

Signature of the Head of the Institution

CHIEF PATRON

Dr. Karisiddappa

Hon'ble Vice Chancellor, VTU, Belagavi

PATRONS

Dr. Anand S. Deshpande

Registrar, VTU, Belagavi

Dr. Rangaswamy B E

Registrar (Evaluation), VTU, Belagavi

Smt. M. A. Sapna

Finance Officer, VTU, Belagavi

Dr. Sudarshana Reddy H. R.

Regional Director (I/c), VTU Regional Office, Bengaluru & Coordinator, VTU CPGS, VIAT, Muddenahalli

University Coordinator

Dr. N. Chikkanna

Professor, Dept APT, VTU CPGS, VIAT, Muddenahalli

Programme Coordinator

Dr. K. Thippeswamy.

Professor, Dept of MCA, VTU PG Centre, Mysuru

ORGANISING COMMITTEE

Dr. Banawara, Associate Professor & Chairman, Dept. of Aerospace Engineering
 Dr. Thirtha Prasad H.P., Associate Professor & Programme Coordinator, Dept. of ME
 Dr. Sarika Raga, Associate Professor & Programme Coordinator, Dept. of ECE
 Dr. Shiva Murthy G, Associate Professor & Programme Coordinator, Dept. of MCA
 Dr. H.H. Ramenka, Associate Professor & Programme Coordinator, Dept. of MBA
 Dr. Dinosh Rangappa, Professor, Dept. of Applied Sciences
 Dr. G.S Venkatesh, Professor, Dept of Mechanical Engineering
 Dr. Hanjasa T G, Professor, Dept of ECE
 Dr. K. Gayathri Reddy, Associate Professor & Special Officer, Administration
 Dr. Basu Mathew, Associate Professor & Director, CPC
 Dr. Anand Kumar C S, Associate Professor, Dept. of Applied Sciences
 Dr. Niranda Hiremani, Assistant Professor, Dept. of MCA
 Dr. Prasanna B.S. Assistant Professor, Dept. of Applied Sciences
 Dr. Prashantkumar R, Associate Professor & Special Officer (Examination)
 Dr. Ashwin C. Gowda, Assistant Professor, Dept. of CAE
 Mr. Ravi H. Talwar, Assistant Professor & Special Officer (ICT & Examination)
 Mr. Prasad I. Balakar, Assistant Professor, Dept. of ME
 Mrs. Rudana M. Assistant Professor, Dept. of ECE
 Mr. Sanjeev G.Palakar, Assistant Professor, Dept. of APT
 Dr. Roopadharshini S, Assistant Professor, Dept. of MBA
 Dr. Lakshminarayana K, Assistant Professor, Dept. of MBA
 Smt. Niveditha M.Y., Assistant Professor, Dept. of MBA
 Dr. Venureshi K, Assistant Professor, Dept. of MBA
 Smt. Reshika Malge, Assistant Professor, Dept. of MCA
 Mr. Yashu Nish B R, Assistant Professor, Dept. of MCA
 Mr. Vishwanath H, Assistant Professor, Dept. of MBA
 Mrs. Bhavana G, Assistant Professor, Dept. of MCA
 Mr. Parvathidevi C.J, Assistant Professor, Dept. of MBA
 Mr. Vinod Kumar G, Assistant, VTU RO, Bengaluru.

AICTE-VTU Joint Training Programme for Teachers from AICTE Approved & VTU Affiliated Technical Institutions

One Week Teachers Training Programme

On

"Data Science & Analytics"

25th to 29th April 2022



Organized By:

Visvesvaraya Technological University
 Centre for Post Graduate Studies
 Bengaluru Region, Muddenahalli
 Chikkaballapur-562101

Venue: Online

Platform: CISCO Webex

About VTU

Visvesvaraya Technological University (VTU) named after Bharat Ratna Dr. Sir M. Visvesvaraya established on 1st April 1998, as per the VTU Act 1994 of the Government of Karnataka. University has been established by the Government of Karnataka in order to promote planned and sustainable development of technical education and has its Head Office located in Belagavi in the state of Karnataka. Reckoning the fact that, University is a seat of confluence of knowledge and as a technological University, Visvesvaraya Technological University does not restrict itself only to curricular activities but also emphasizes on the overall growth of knowledge in society and hence its campus in Belagavi is named aptly as "Jnana Sangama". The University has jurisdiction over the whole state of Karnataka. VTU has established four regional centers at Bengaluru, Mysuru, Kalburgi and Belagavi for administrative convenience. VTU is one of the prestigious and largest technological Universities in the India having one Constituent College, 220 Engineering colleges and 20 Autonomous Colleges.

VTU is imparting technical education to more than a lakh students under its 35 Undergraduate & 94 Postgraduate Programs. VTU is offering Doctoral programs in 865 departments in various affiliated Colleges which have been recognized as research centers. Around 5000 Research Scholars are pursuing for Doctoral and M.Sc. (Engineering) By Research programmes. VTU has established full-pledged Centers for Post Graduate Studies at Muddenahalli, Kalburgi, Belagavi and Mysuru.

About AICTE, New Delhi

All India Council for Technical Education (AICTE) was set up in November 1945 as a national-level apex advisory body to conduct a survey on the facilities available for technical education and to promote development in the country in a coordinated and integrated manner. And to ensure the same, as stipulated in the National Policy of Education (1986), AICTE was vested with:

- Statutory authority for planning, formulation, and maintenance of norms & standards
- Quality assurance through accreditation
- Funding in priority areas, monitoring, and evaluation
- Maintaining parity of certification & awards.

About the VTU PG Centre, Muddenahalli

The Visvesvaraya Technological University, Post Graduate Center, Bengaluru Region, Muddenahalli has 200 acres campus located at Muddenahalli, Chikkaballapura (Dist). Muddenahalli is the birth place of great legend Bharat Ratna Sir M. Visvesvaraya. It has all necessary infrastructure required for imparting quality education through its well-structured administrative and academic staff for overall development of student's personality. Center for PG Studies has five full time post graduate programmes in M.Tech, MBA and MCA. All the departments have wellqualified faculty.

PROGRAMME OBJECTIVES:

Data Science as a multi-disciplinary subject encompasses the use of mathematics, statistics, and computer science to study and evaluate data. The key objective of Data Science is to extract valuable information for use in strategic decision making, product development, trend analysis, and forecasting.

DS concepts and processes are mostly derived from data engineering, statistics, programming, social engineering, data warehousing, machine learning, and natural language processing. The key techniques in use are data mining, big data analysis, data extraction, and data retrieval.

Advantages of this workshop of Data Science & Analytics: There are a number of advantages when a Institute / College / Faculty / Student chooses to be socially connect and responsible, such as:

- Advantage of enlisting Data Science in an organization is faster and better decision-making.
- Data gleaned from Google Analytics to customer surveys, need to be analyzed to identify demographics.
- Predictive analytics, fueled by Big Data and Data Science allows users to scan and analyze news reports and social media feeds to stay updated on the latest industry trends.
- Promotes detailed health-tests on your suppliers and customers.
- Data scientists work with Data Science and Big Data for data analysis.

This workshop also summarizes the main points of the university defined syllabus titled "Data Science & Analytics". It also functions as a platform for brainstorming, in-depth discussion, and clarifying the doubts of faculties who are willing to teach this course. This workshop helps all faculties and students to increase their understanding of Data Science, Practice sustainability and creativity, Showcase planning and organizational skills of all the stakeholders.

Resource Persons:

Renowned Experts from reputed Institutions, Senior Faculties of VTU and Industry Experts.

Eligibility:

Teachers from AICTE Approved and VTU Affiliated Technical Institutes those who are interested in teaching the "Data Science & Analytics" course.

Registration Fee:

No Registration Fees
How to Apply:

Registration through Google form link -

<https://forms.gle/UzEtwDKMcCvB7r5>

Programme Timings (Each Day):

- First session: 10 AM to 1 PM (3 hours).
- Lunch break: 1.0 PM to 1.30 PM
- Second session: 1.30 PM to 4.00 PM (2.30 hours).

Certificate:

The certificate of participation for the faculty who registers for the programme shall be issued, provided they satisfy the attendance requirement of 80 % of the 10 sessions held during five days of the programme and secure 60 % of the maximum marks (100) prescribed for formative evaluation and summative evaluation.

Contact for more Information:

Dr. K. Thippeswamy
Professor, Dept of CSE
VTU PG Centre, Mysuru
Mobile: 9448500224, 7019605611
Email: thippeswamy@vtu.ac.in

Report

Faculty Development Program Report

Title: An Overview of Teaching Techniques in Data Science and Analytics

Date: 25th – 29th April 2022

Venue: Online via Cisco Webex

Organized by: Visvesvaraya Technological University, Centre for Postgraduate Studies, Bengaluru Region, Muddenahalli

Program Coordinator: Dr. Thippeswamy K

VTU Coordinator, Professor & Chairman: Dr. N. Chikkanna

Registrar: Dr A S Deshpande

Participants: Faculty from AICTE approved and VTU affiliated institutions

Objectives: Enhance teaching methods in Data Science and Analytics, focusing on data mining, predictive analytics, and big data applications.

Program Highlights:

- No registration fee, promoting inclusive participation.
- Expert sessions on strategic data evaluation and decision-making techniques.
- Interactive workshops on data science applications in academia and industry.

Outcome: Educators equipped with innovative teaching techniques and analytics tools.

Resource Persons: Senior faculties from VTU and industry experts.

Participant Recognition: Mr. RANGANATH N from K S INSTITUTE OF TECHNOLOGY successfully completed the program.

Evaluation: Based on active participation and performance, with certification upon meeting attendance and evaluation criteria.

Acknowledgments: Thanks to all patrons, coordinators, and the organizing committee for a successful program.

SUBMITTED BY: RANGANATH.N

Ranganath.N

Certificate No: AICTE-VTU/CPGSM/2021-22/PRG-08/133



AICTE – VTU Joint Training Programme for Teachers

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

VTU HUMAN RESOURCE DEVELOPMENT CELL (VTU - HRDC)

Centre for Post-Graduation Studies, VIAT, Muddenahalli, Chikkaballapur (Dist.) -562101

One Week Online Teachers Training Program

On

“An Overview of Teaching Techniques in Data Science and Analytics”

25th – 29th April 2022



Certificate

This is to certify that Mr. /Mrs. /Dr. /Prof. **RANGANATH N** of **K S INSTITUTE OF TECHNOLOGY** has Participated and Successfully completed One Week AICTE – VTU Joint Teachers Training Programme on “An Overview of Teaching Techniques in Data Science and Analytics” between 25th & 29th April 2022 Organized by VTU Human Resource Development Centre (VTU - HRDC), Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur (Dist.) - 562101.

Dr. K Thippeswamy
Programme Coordinator
Data Science and Analytics,
VTU PG Centre, Mysuru.

Dr. N. Chikkanna
TU Coordinator & Professor
Dept. of Aerospace Engineering
VTU CPGS, Muddenahalli.

Dr. A S Deshpande
Registrar
VTU, Belagavi.

SIGNATURE OF HOD
Head of the Department
Dept. of Mechanical Engg.
K.S. Institute of Technology
Bengaluru # 560 109

SIGNATURE OF PRINCIPAL
PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.



K.S. INSTITUTE OF TECHNOLOGY, BANGALORE - 560109

#14, Raghuvanahalli, Kanakapura Main Road, Bengaluru-5600109

DEPARTMENT OF MECHANICAL ENGINEERING

REPORT OF FDP: ENVISIONING PATHWAYS IN THERMAL SCIENCES

Brochure:

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
Ramapuram Campus
FACULTY OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING
in association with
FEAST ENGG ONLINE
MUMBAI
organises
Six Days Faculty Development Program
on
ENVISIONING PATHWAYS IN THERMAL SCIENCES
23.05.2022 to 28.05.2022

 Day 1 (Monday) 23.05.2022 - Monday Dr. M. Ganesesekaran Assistant Professor Department of Mechanical Engineering Kannur Institute of Technology Tamil Nadu	 Day 1 (Monday) 23.05.2022 - Monday Mr. Rameshwaraj Roshni Manager - Construction & Thermal Plants Chemical Rohini Power Technology & Business Centre India
 Day 2 (Tuesday) 24.05.2022 - Tuesday Dr. P. Thilakan Associate Professor Center for Green Energy Technology Pondicherry University	 Day 2 (Tuesday) 24.05.2022 - Tuesday Dr. Aruna Chagan Registrar (H) National Institute of Technology Tamil Nadu
 Day 3 (Wednesday) 25.05.2022 - Wednesday Dr. S. Jayaraj Professor Department of Mechanical Engineering SRM Institute of Technology Coimbatore	 Day 3 (Wednesday) 25.05.2022 - Wednesday Dr. Antony Anil Raj V Professor Department of Mechanical Engineering Green Engineering College Ottom
 Day 4 26.05.2022 - Thursday EnggOnline An Initiative to AACSB Accredited, ISO 9001 Certified & ISO 14001 Certified Organization Mumbai	 Day 4 26.05.2022 - Thursday Mr. P. Parthasarathy Manager - Quality Control SRM & Power Plants Ltd Chennai
 Day 5 (Friday) 27.05.2022 - Friday Prof. H. Mahalingam Professor SRM Institute of Technology Chennai	 Day 5 (Friday) 27.05.2022 - Friday Dr. K. Venkatesh Professor SRM Institute of Technology Mechanical Engineering College Chennai

FOR ADDRESSES

 [srmist.rmp](https://www.facebook.com/srmist.rmp)
 [srmist.rmp](https://www.instagram.com/srmist.rmp)
 [srmmp.edu.in](https://www.srmmp.edu.in)

FOR ENQUIRIES 1800 102 1525

Report

Faculty Development Program (FDP) Report

Title: ENVISIONING PATHWAYS IN THERMAL SCIENCES

Date: 23rd to 28th May 2022, SRMIST, Chennai.

Program Coordinator: Mr. P.V.ARUNRAJ - Assistant Professor

Participant: Mr. Rajesh G.L, KSIT Bengaluru.

Summary:

The program explored on different routes in the field of thermal sector. Ideal-typical occasions are described when the envisioning method of approaching the future may be employed. From this emerges a practicum of envisioning. Three aspects are considered: principal concepts and understanding that undergird the approach; the contextual protocols which help indicate when the approach may be appropriate; and methods and practices employed in envisioning the future.

Objectives of the FDP

To understand the importance of envisioning and its methods

To explore alternative routes of finding solution to the complex problems raised in the field of thermal science.

SUBMITTED BY:

RAJESH G.L



SIGNATURE OF HOD
Head of the Department
Dept. of Mechanical Engg.
K.S. Institute of Technology
Bengaluru - 560 109

SIGNATURE OF PRINCIPAL
PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.



KSIT
K.S. INSTITUTE OF TECHNOLOGY

K.S. INSTITUTE OF TECHNOLOGY, BANGALORE - 560109

#14, Raghuvanahalli, Kanakapura Main Road, Bengaluru-5600109

DEPARTMENT OF APPLIED SCIENCE AND HUMANITIES

REPORT OF FDP:

“Research methodology”

Brochure:

Amar Sewa Mandal's
Kamla Nehru Mahavidyalaya, Nagpur
(Reaccredited A+ grade with CGPA of 3.53)

Organizes
Virtual International One-week Faculty Development Programme on
RESEARCH METHODOLOGY

Date : 2nd May to 7th May 2022
Time : 2.00 pm on Zoom and YouTube Live Streaming

OBJECTIVES OF FDP

The objectives of faculty development programme is to inculcate and enhance the abilities of faculty member and research scholars to carry out independent research, write successful research proposal and to enable them to write research papers for the publication in National and International journals. This FDP will provide in-depth knowledge of research methodology that includes topic selection, literature review, research design, research tools, writing research proposal, writing research paper, intellectual property rights, citation of references and research ethics.

OUTCOME of FDP

The participants are expected to understand the research process, which will help them to choose researchable problem with greater clarity and carry out the research in a meticulous way not only interpreting the results of the study but also make the research work publish in reputed journals to benefit to society by attending the FDP on research methodology.

KAMLA NEHRU MAHAVIDYALAYA, NAGPUR

Kamla Nehru Mahavidyalaya a renowned educational institute was established in 1983 by founder President Late Shri Govindraoji Wanjarri for the noble mission of imparting knowledge. The college is forging ahead under the dynamic leadership of President Hon'ble Dr. Smt. Suhasini Wanjarri and the Secretary of Amar Sewa Mandal Hon'ble Adv. Abhijit Wanjarri. The college has been reaccredited with A+ by NAAC, Bangalore with CGPA of 3.53.

The Institute continuously strives to improve the operational efficiency and has catered to the needs of diversified learners with reference to running several courses in Faculty of Science, Commerce, Arts and Management studies at Undergraduate, Postgraduate and Doctoral levels. The College has Ph.D. Programmes in Chemistry, Physics, Electronics, Computer Science, English and Commerce. During last five years more than 300 research papers in refereed National and International Journals have been published. The College has also been associated with several International Universities like University of Huddersfield UK, University of Cambridge, International Network for Quality Assurance Agencies in Higher Education (INQAAHE) and Asia Pacific Quality Network (APQN).

PATRON

Hon'ble Dr. Suhasini Wanjarri
President
Amar Sewa Mandal,
Nagpur

PATRON

Hon'ble Adv. Abhijit Wanjarri
MLC & Secretary
Amar Sewa Mandal,
Nagpur

PATRON

Hon'ble Dr. Smeetaa Wanjarri
Treasurer
Amar Sewa Mandal,
Nagpur

CHIEF GUEST

Hon'ble Prof. D. C. Deka
Vice Chancellor
Madhabdev University,
Lakhimpur, Assam

Report

Faculty Development Program (FDP) Report

Title: Research methodology

Date: 2nd May 2022 to 7th May 2022, Kamla Nehru Mahavidyalaya, Nagpur

Participants: 1) Dr. Kiran Kumar S. R

Summary:

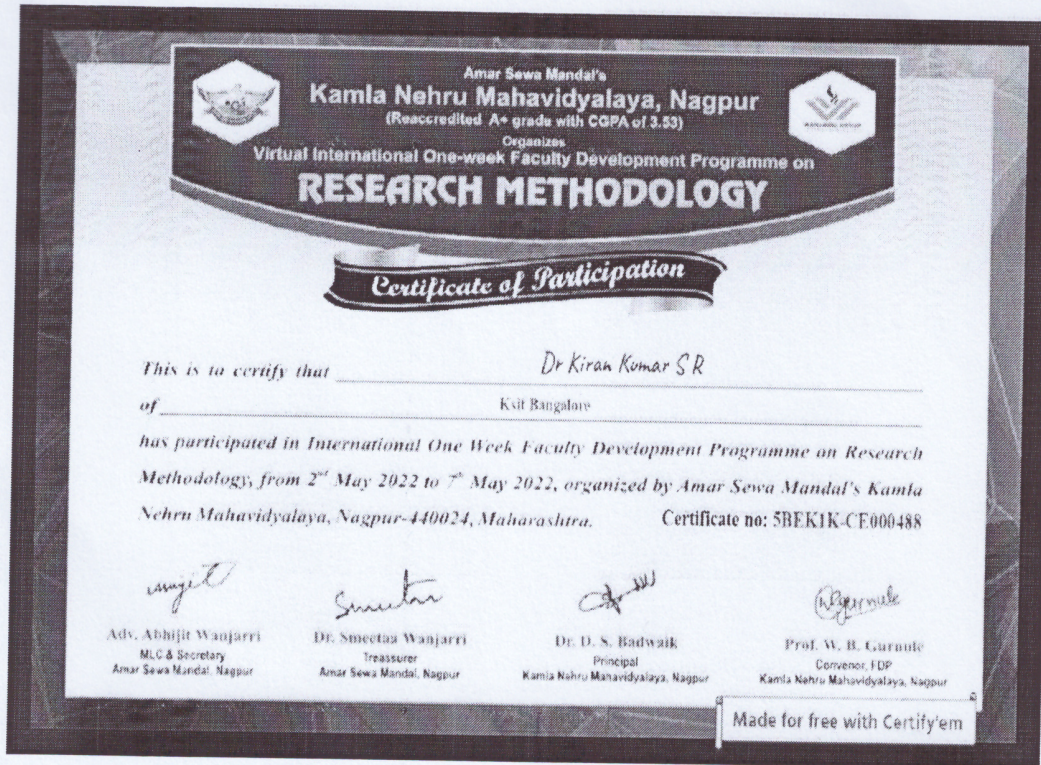
The topic of "Research Methodology" in a Faculty Development Program (FDP) addresses the fundamental principles, approaches, and techniques essential for conducting rigorous and impactful research across disciplines.

The Faculty Development Program on "Research Methodology" aims to equip participants with the knowledge, skills, and tools necessary to design, execute, and communicate research effectively. Research methodology forms the backbone of scholarly inquiry, guiding researchers in the formulation of research questions, selection of appropriate methodologies, collection and analysis of data, and interpretation of findings.

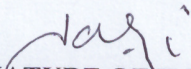
Objectives of the FDP

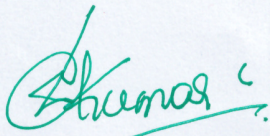
The objective of the Faculty Development Program on "Research Methodology" is to empower participants with the essential knowledge, skills, and tools needed to effectively plan, conduct, and disseminate high-quality research across diverse academic disciplines. Through interactive workshops, hands-on training, and collaborative learning experiences, this program aims to enhance participants' research capabilities, promote methodological rigor, and foster a culture of scholarly inquiry within academic institutions.

Submitted by



Dr. Kiran Kumar S. R


SIGNATURE OF HOD
Head of the Department
Dept. of Science and Humanities
K.S. Institute of Technology
Bengaluru - 560 109


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BENGALURU - 560 109.



K.S. INSTITUTE OF TECHNOLOGY, BANGALORE - 560109

#14, Raghuvanahalli, Kanakapura Main Road, Bengaluru-5600109

DEPARTMENT OF APPLIED SCIENCE AND HUMANITIES

REPORT OF FDP:

“ICT Tools for Innovative Teaching & Learning Process”

Brochure:



**RV Institute of
Technology and
Management®**

Affiliated to Visveraya
Technological
University, Belagavi

Approved by
AICTE,
New Delhi.

Five days online Faculty Development Program on
*ICT Tools for Innovative Teaching &
Learning Process*
28th March – 1st April 2022

Organized by
Department of information Science and Engineering
RV Institute of Technology & Management
Bangalore - 560041

Report

Faculty Development Program (FDP) Report

Title: ICT Tools for Innovative Teaching & Learning Process

Date: 28th March 2022 to 1st April 2022, RV Institute of Technology & Management.
Bangalore.

Participants: 1) Dr. Jalaja P

Summary:

The topic of "ICT Tools for Innovative Teaching & Learning Process" in a Faculty Development Program (FDP) emphasizes the integration of Information and Communication Technology (ICT) tools to enhance the educational experience and foster innovation in teaching and learning.

The Faculty Development Program on "ICT Tools for Innovative Teaching & Learning Process" aims to equip educators with the knowledge, skills, and resources necessary to leverage technology effectively in the classroom and create dynamic, engaging, and interactive learning environments. In today's digital age, ICT tools offer unprecedented opportunities to enhance pedagogy, facilitate active learning, and cater to diverse student needs and learning styles.

Objectives of the FDP


The objective of the Faculty Development Program on "ICT Tools for Innovative Teaching & Learning Process" is to empower educators with the knowledge, skills, and confidence to effectively integrate Information and Communication Technology (ICT) tools into their teaching practices, fostering innovation, engagement, and enhanced learning outcomes for students across diverse educational contexts.

Submitted by

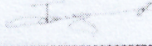


RV Institute of Technology and Management®
Department of Information Science & Engineering
Certificate of Participation

This is to certify that Dr. P. Jalaja
of K.S. Institute of Technology
has participated in **5 DAY FACULTY DEVELOPMENT PROGRAM(Online)**
on **"ICT Tools for Innovative Teaching & Learning Process"**
conducted by the Department of Information Science &
Engineering during 28th March - 1st April, 2022 at RV
Institute of Technology and Management, Bengaluru.

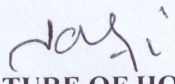


Dr. Latha CA
HOD,
Department of ISE

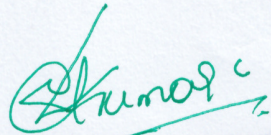


Dr. Jayapal R
Principal

Dr. Jalaja P


SIGNATURE OF HOD

Head of the Department
Dept. of Science and Humanities
K.S. Institute of Technology
Bengaluru - 560 109


SIGNATURE OF PRINCIPAL

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K.S. INSTITUTE OF TECHNOLOGY, BANGALORE - 560109

#14, Raghuvanahalli, Kanakapura Main Road, Bengaluru-5600109

DEPARTMENT OF APPLIED SCIENCE AND HUMANITIES

REPORT OF FDP:

“Recent Trends in Green Chemistry”

Brochure:

WAYANAMAC EDUCATION TRUST(R)

DON BOSCO
INSTITUTE OF TECHNOLOGY

Approved by AICTE New Delhi | Affiliated to VTU Belagavi | Recognised by the Government of Karnataka | Accredited by NAAC Bangalore | Accredited by NBA New Delhi

5 Days Online
“ FACULTY DEVELOPMENT PROGRAMME ”
OR
“RECENT TRENDS IN GREEN CHEMISTRY -2021 (RTGC) ”
November 15 - 19th 2021
Organized by
Department of Chemistry
In Association with

  INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiatives)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
CHIEF PATRON
Sri. B Bylappa
President, WET, Bangalore
Dr. Karisiddappa
Honourable Vice Chancellor, VTU

PATRONS

Sri. B Manjunath Executive Director, DBIT	Sri. Raghav Bylappa Secretary, WET
Dr. A S Deshpande Registrar, VTU	Dr. B E Rangaswamy Registrar (Evaluation)

ORGANIZING CHAIRS

Dr. Manjunatha A S Convener & HOD, Dept. of Chemistry	Dr. Nataraj K R Dean & Director, R&D	Dr. Hemadri Naidu T Principal
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DON BOSCO INSTITUTE OF TECHNOLOGY
Mysore road, Kumbalagodu, Bengaluru - 074



ABOUT THE VTU

Vivekananda Technological University (VTU) named after Bishop Ruffini De. St. M. Vivekananda established on 1st April 1998, as per the VTU Act 1994 of the Government of Karnataka. University has been established by the Government of Karnataka in order to promote planned and sustainable development of technical education. VTU has its Head Office located in Bellary in the state of Karnataka. Recognizing the fact that, University is a seat of confluence of knowledge and as a technological University, Vivekananda Technological University does not restrict itself only to curricular activities but emphasizes on the overall growth of knowledge in society and hence its campus in Bellary is named after as "Inna Sangama". The University has jurisdiction over the whole state of Karnataka. For administrative convenience University has four Regional Offices established at Bangalore, Mysore, Kalyandurga and Bellary.

ABOUT DBIT

Don Bosco Institute of Technology (DBIT) as a part of vocational education that was established in 2001, approved by AICTE and Accredited by NBA & NAAC. The institution aims to provide quality technical and managerial education. It is among the top engineering colleges in Bangalore situated on a sprawling 27 acres campus in the serene South West Suburb of the City, on the Bangalore-Mysore National Highway. The institution focuses on the quest for excellence through quality and value based education system. DBIT offers undergraduate B.E. programs in the fields of CSE-AI&ML, AI&DS, CSE, ECE, ME, ISE, EEE, CIVIL besides the Masters in Business Administration. All the courses are affiliated to Vivekananda Technological University (VTU), Bellary. The Five Departments are accredited by the National Board of Accreditation, New Delhi.

Value added courses

- Certification program on Virtualization and Architectural Enterprise of Data by ABSTPEAM Technologies to store the Big Data.
- Certification program of "INTEQ Python Foundation Program"
- Certification programs of Code Vite CODING TEST by TCS.
- Certification programs of Robotics by KJ SRA.
- Certification programs of PLM by Siemens.
- Certification program on latest trends in (IIITM)
- Certification Program on MEP Industry for ME, EEE and Civil.
- Awareness Sessions on Graduate Aptitude Test in Engineering (GATE)

ABOUT DEPARTMENT OF CHEMISTRY

The Department of Chemistry was established in the year 2001 and has been devoted to teaching and advanced research in Chemistry. The department has distinguished itself as a Centre for innovative and pioneering teaching and research in different fields of Chemistry. It was elevated to the status of VIT Research Centre in 2011 in recognition of its achievements in various fields and received sponsored projects from VIT Research Grant, A.S. ST and U.GST. The major research efforts are focused on areas such as catalysis, reaction kinetics, corrosion, polymers, nanomaterials, and electrochemistry. To ignite the quest for chemistry and its versatile applications in the young minds of future engineers the department organizes various activities such as guest lectures, quiz, workshops, conferences, and seminars. The faculty members in the department are actively involved in Teaching as well as in Research. Chemistry Research Centre has completed three major research projects. For more details visit chemdbitweb@gmail.com

40 research papers have been published in peer reviewed National and International journals. The department has established a Biomedical Production Unit in 2018. Also we have initiated the development of a Biosimilarity Park for the utilization of AI/ML/Big Data.

ABOUT FDP

- The proposed FDP aims to help students, research scholars, academicians and industrialists to moderate with the materials and green chemistry.
- To enable the participants to motivate and provide exposure to Quality Research.
- To provide the process and methodology of Quality Research.
- Experts from reputed research Institutions and Universities working on different aspects of chemistry shall deliver lectures on Green Chemistry and Nanotechnology.
- It also aims to discuss the solutions adopted for the environmental practical challenges encountered in the present scenario.

Highlights of the topic to be covered:

- Green Catalysis & Green Technology.
- Applications of Green Chemistry.
- Green Nanotechnology.
- Future Trends in Green Chemistry.
- Green Chemistry in Environment.
- Green Synthesis & Sustainable Chemistry.
- Renewable energy - conversion and storage.
- Environmental Chemistry and Pollution Control.
- Waste reduction, waste capture and recycling.

Participants:

- Students and Research Scholars
- Academicians and Scientists
- Industrialists

Registration fee: FREE

Registration link:

<https://forms.gle/u7Cf4k39r21DGF7N7>

Prior registration is mandatory. FDP sessions details will be sent to registered participants via whatsapp group.



<https://chat.whatsapp.com/KcaF0hftC83Bf69mZjq2l>

E-Certificate for the participants will be provided once they fill the feedback form of the last session. Feedback link will be provided in the start box of each and every session. Online Platform

COORDINATORS

Dr. J.P. SHUBHA

PROFESSOR, DEPARTMENT OF CHEMISTRY, DBIT

PROF. K. KRISHNA VENI

DEPARTMENT OF CHEMISTRY, DBIT

Mob: +91-9742491689

PROF. N. V. SUSHMA

DEPARTMENT OF CHEMISTRY, DBIT

Mob: +91-990020145

Email: chemdbitweb@gmail.com

5 Days Online FDP on "Recent Trends in Green Chemistry-2021 (RTGC)" FDP speakers & session details

Sl No	Date and Time of the Event	Name of the Resource person and Designation
1	15-11-2021 Time: 10.30 AM Inauguration & Keynote Address	Dr. Syed Farooq Adil Associate Professor, Department of Chemistry, King Saud University Riyadh 11451, Kingdom of Saudi Arabia
2	15-11-2021 Time: 2.00 PM	Dr. G. Nagaraju Assistant Professor, Dept. of Chemistry Siddaganga Institute of Technology Tumkur - 572103
3	16-11-2021 Time: 10.30 AM	Dr. B. E. Kumara Swamy Chairman, Dept. of Industrial Chemistry, Kuvempu University, Shivamogga, Karnataka, - 577451
4	16-11-2021 Time: 2.00 PM	Dr. L. Gomathi Devi Vice-Chancellor of Maharani Cluster University, Bangalore & Professor, Department of Chemistry, Bangalore University, Bangalore
5	17-11-2021 Time: 10.30 AM	Dr. Palaniappan Principal Scientist, Electrode and Electroanalytic Division CSIR-Central Electro-Chemical Research Institute (CSIR-CECRI), Karaikudi, Tamilnadu.
6	17-11-2021 Time: 2.00 PM	Dr. M. Pandurangappa, Professor, Dept. of Chemistry, Bangalore University, Bangalore
7	18-11-2021 Time: 10.30 AM	Dr. Lalitha P Professor, Avinashilingam Institute for Home Science and Higher Education for Women Coimbatore, Tamilnadu.
8	18-11-2021 Time: 2.00 PM	Prof. S N Sondur Chief Scientific Officer and Principal Investigator of Biofuel Cell (Retd.) Karnataka State Council for Science & Technology, IISc, Bangalore
9	19-11-2021 Time: 10.30 AM	Dr. Ganga Periyasamy UGC - Assistant Professor DOS in Chemistry, Bangalore University Central College Campus, Bangalore 560001
10	19-11-2021 Time: 2.00 PM (Valedictory Key note address)	Dr. Kwok Feng Chong Faculty of Industrial Sciences & Technology, Universiti Malaysia, Pahang, Malaysia

Email: chemdbitweb@gmail.com

Report

Faculty Development Program (FDP) Report

Title: Recent Trends in Green Chemistry

Date: 2nd May 2022 to 7th May 2022, Don Bosco Institute of Technology, Bangalore.

- Participants:
- 1) Mrs. Neelam Patil Radhika
 - 2) Mrs. Shylaja K. R

Summary:

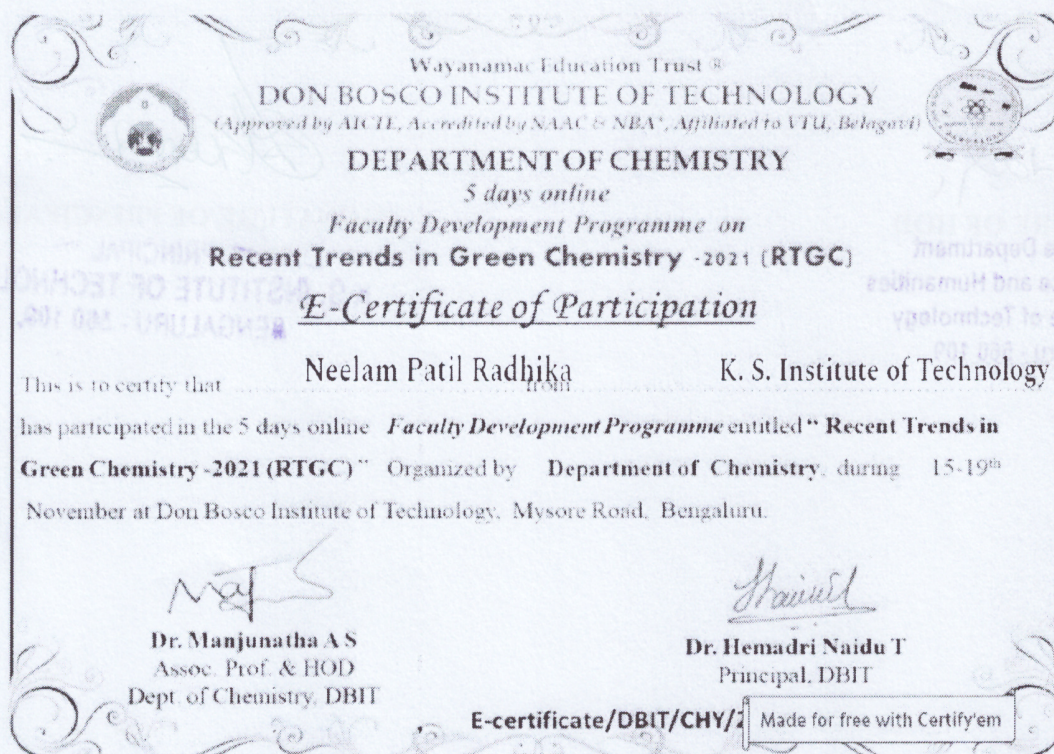
The topic of "Recent Trends in Green Chemistry" in a Faculty Development Program (FDP) presents an opportunity to explore innovative approaches and sustainable practices in chemical research and education.

This FDP delves into a variety of cutting-edge topics within green chemistry, including renewable energy technologies, biodegradable polymers, waste reduction strategies, and environmentally benign synthesis methods. Participants will have the opportunity to engage with leading experts, researchers, and industry practitioners to explore the latest advancements and emerging trends in the field.

Objectives of the FDP

The objective of the Faculty Development Program on "Recent Trends in Green Chemistry" is to provide faculty members with a comprehensive understanding of the principles, methodologies, and applications of green chemistry, enabling them to incorporate sustainable practices into their teaching, research, and professional activities, thereby contributing to the advancement of environmentally responsible practices in the field of chemistry.

Submitted by



Mrs. Neelam Patil Radhika



Wayanamac Education Trust ®
DON BOSCO INSTITUTE OF TECHNOLOGY
(Approved by AICTE, Accredited by NAAC & NBA, Affiliated to VTU, Belagavi)



DEPARTMENT OF CHEMISTRY

5 days online

Faculty Development Programme on
Recent Trends in Green Chemistry -2021 (RTGC)

E-Certificate of Participation

This is to certify that **SHYLAJA K R** from **K S Institute of technology**
has participated in the 5 days online *Faculty Development Programme* entitled " **Recent Trends in Green Chemistry -2021 (RTGC)** " Organized by **Department of Chemistry**, during **15-19th**
November at Don Bosco Institute of Technology, Mysore Road, Bengaluru.

Dr. Manjunatha A S
Assoc. Prof. & HOD
Dept. of Chemistry, DBIT

Dr. Hemadri Naidu T
Principal, DBIT

E-certificate/DBIT/CHY/2 Made for free with Certify'em

Mrs. Shylaja K R

SIGNATURE OF HOD
Head of the Department
Dept. of Science and Humanities
K.S. Institute of Technology
Bengaluru - 560 109

SIGNATURE OF PRINCIPAL
PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.



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K.S.INSTITUTE OF TECHNOLOGY
Department of Computer Science& Engineering

FDP REPORT

ON

ICT TOOLS FOR INNOVATIVE TEACHING & LEARNING PROCESS

Venue: RVITM

Date: 28-3-2022 to 1-4-2022

I, **Dr. Rekha B Venkatapur**, Professor & HOD, Department of CSE, KSIT, attended a Five Days Faculty Development Programme on “ICT Tools for Innovative Teaching and Learning Process”.

Brochure:

The brochure is a vertical rectangular poster with a yellow background. At the top left is the RVITM logo. The main title is 'ICT TOOLS FOR INNOVATIVE TEACHING AND LEARNING PROCESS' in red and black. Below it, it says 'Organized by Department of Information Science & Engineering'. The dates '28th March 2022 to 01st April 2022' are listed. A photo of the RVITM building is at the bottom left. The right side of the brochure lists the names and titles of the Chief Patrons, Patron, Convener, Advisory Committee members, Programme Coordinators, Organizing Committee members, and the address for communication. There is also a 'WHO CAN REGISTER?' section and a 'RESOURCE PERSONS' section. A circular diagram at the bottom right is titled '10 TOOLS OF THE FUTURE' and lists various educational tools like Connectedness, Content-based Learning, Project-based Learning, etc.

About FDP

The Faculty Development Program (FDP) on "ICT Tools for Innovative Teaching and Learning Process" was organized at RV Institute of Technology and Management (RVITM) with the aim to empower educators with modern Information and Communication Technology (ICT) tools to enhance the teaching and learning experience. The program aimed to equip faculty members with the necessary skills and knowledge to integrate ICT effectively into their teaching methodologies.



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The primary objective of the FDP was to provide faculty members with insights into various ICT tools and techniques that can be utilized to foster innovation and engagement in the teaching and learning process. Additionally, the program sought to enable participants to adapt to the rapidly evolving landscape of educational technology and leverage it to create dynamic and interactive learning environments.

The "ICT Tools for Innovative Teaching and Learning Process" FDP at RVITM served as a valuable platform for faculty members to upgrade their skills and knowledge in leveraging ICT for educational purposes. By equipping educators with the necessary tools and techniques, the program aimed to contribute towards creating a more dynamic and engaging learning environment. Moving forward, it is imperative for educators to continue exploring and embracing innovative ICT solutions to meet the evolving needs of learners in the digital age.

Certificate:



SUBMITTED BY: Dr.Rekha B Venkatapur

SIGNATURE OF FACULTY

HOD

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Department of Computer Science & Engineering

FDP REPORT
ON
QUANTUM COMPUTING: CHALLENGES AND OPPORTUNITIES

Venue: MIET

Date: 28-2-2022 to 5-3-2022

I, **Dr. Vaneeta M**, Associate Professor, Department of CSE, KSIT attended Five Days FDP on “Quantum Computing: Challenges and Opportunities” organized by Meerut Institute of Engineering & Technology, Meerut, UP from 28th February to 5th March 2022.

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GROUP OF INSTITUTIONS

COMPUTER SOCIETY OF INDIA
ESTD 1943

STUDENT COUNCIL OF INFORMATION TECHNOLOGY (S.C.I.T.)

One Week Online FDP
on
“Quantum Computing: Challenges and Opportunities”

Organized by
Department of Information Technology
Meerut Institute of Engineering and Technology, Meerut, UP

Chief Patron
Shri Vishnu Saran
Hon'ble Chairman, MIET Group of Institutions

Patron
Shri Puneet Agarwal, Vice Chairman
Dr. Arun V. Parwate, Director
Dr. G.G. Sastry, Dean Academics

Program Coordinators
Dr. Swati Sharma (iit, IT)
Dr. Wakar Ahmad (IT Department)

(28th February – 5th March, 2022)

About the Institute
The flagship Institute of the group, Meerut Institute of Engineering & Technology (MIET), has officially been ranked as the 4th best Engineering College in Uttar Pradesh by AKTU. Renowned academic environment, extensive alumni network, excellent placements, interface with industry and numerous extra-curricular activities make MIET a great educational institution. It not only holds the prestigious position of being one of the best & oldest (Established in 1997, now Silver Jubilee) Institutions that caters to education in the field of Engineering and Technology but also ensures that each student emerges out competent enough to hold a dynamic image of his own after the completion of his or her stint at MIET.

About the Department
Department of IT, established in 1997, with a view meet the demand of technically qualified personnel for research & development, academia and administration in the field of IT. The NBA accredited department offers a unique combination of courses and project that helps the students to cope with the recent advancements in the computer industry and information technology. This is achieved by experienced faculty members, year round conduction of numerous seminars, guest lectures, and industry academia interaction, cocurricular & extracurricular activities.

About FDP
Quantum computing is one of the most influential scientific approaches of this century. It's an innovative and revolutionary paradigm that works according to quantum mechanism principle for solving problems in numerous sectors of science that are beyond the capabilities of traditional computing infrastructures. Despite extensive theoretical research & hardware implementation, application of quantum computing in solving computational problems has yet to be explored. This program is dedicated to covering various opportunities and challenges to this influential scientific approach.

Objectives and Outcomes
During this FDP participant will understand

1. Broad definition of quantum computing;
2. Quantum information processing and quantum networks;
3. How to implement various algorithm on quantum computer;
4. Development of machine learning models using quantum computer.

About FDP

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Department of Computer Science & Engineering

Objectives and Outcomes

During this FDP participant will understand

1. Broad definition of quantum computing;
2. Quantum information processing and quantum networks;
3. How to implement various algorithm on quantum computer;
4. Development of machine learning models using quantum computer.

Certificate:



SUBMITTED BY: Dr. Vaneeta M


SIGNATURE OF FACULTY



HOD

Head of the Department
Dept. of Computer Science & Engg
K.S. Institute of Technology
Bengaluru - 560 109



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Department of Computer Science & Engineering

FDP REPORT
ON
FEATURE ENGINEERING IN DATA SCIENCE & DEEP LEARNING
MODELS

Venue: GAT

Date: 25-8-2021 to 29-8-2021

Mrs. Ranjitha K N & Mrs. Beena K, Assistant Professor, Department of CSE, KSIT attended FDP on “Feature Engineering in Data Science & Deep Learning Models” organized by GAT on 25th to 29th Aug 2021

<p>Faculty Development Program on “Feature Engineering in Data Science and Deep Learning Models”</p> <p>Global Academy of Technology Rajarajeshwari Nagar, (off Mysore Road), Ideal Homes Township, Bengaluru - 560098, Karnataka, India.</p> <p>25th – 29th August, 2021</p>   <p>Chief Patron Sri. D K Shivakumar, C Chairman, NEF</p> <p>Patrons Sri. C Gangadhar Murthy, Managing Trustee, NEF Sri. S Lepaksha, Secretary Trustee, NEF Sri. Venkatappa, Additional Secretary Trustee, NEF Sri. K Srinivas, Trustee, NEF Sri. D K Suresh, Trustee, NEF Ms. Aishwarya D K S, Trustee Secretary for Schools, NEF Sri. K Viswanatha Reddy, Administrator, NEF</p> <p>Convener Dr. N Ranapratap Reddy, Principal, G.A.T</p> <p>Co – Convenors Dr. Ashwini K, Professor & Head, AI & DS, 9663332643 Dr. Bhagyashri R Hanji, Professor & Head, CSE, 9986254968</p> <p>Co - Ordinators Prof. Priyanka G, CSE, G.A.T Prof. Veena V P, CSE, G.A.T Prof. Sushmitha S, CSE, G.A.T</p> <p>Organized by Department of Computer Science & Engineering Department of Artificial Intelligence & Data Science</p>	<p>About Global Academy of Technology</p> <p>Global Academy of Technology (G.A.T), established in the year 2001 under the patronage of National Education Foundation (NEF) has been in the forefront imparting quality technical and management education in the city of Bengaluru. The state-of-the-art infrastructure in all branches of engineering, dedicated and qualified teaching fraternity, highly conducive environment for teaching-learning process, research and a lush green campus are the hallmarks of this professionally managed institute.</p> <p>Some of the key highlights of G.A.T include Permanent affiliation of all branches of Engineering; All departments are recognized as research centers by the affiliating University-VTU; Accorded A grade by NAAC in 2017; Accredited by NBA for UG Programs in 2019; Autonomous status in 2020 and Accorded 2(f) and 12(B) status from the UGC.</p> <p>Department of CSE</p> <p>The Department of Computer Science and Engineering at Global Academy of Technology is focused on disseminating the most updated and sophisticated technical knowledge to the students who enroll in the course. The department has well experienced and quality faculty to guide the students through their academic endeavors.</p> <p>The department also has excellent classrooms and well-equipped laboratories along with a rich collection of books in the department library.</p> <p>Department of AI & Data Science</p> <p>The Department of AI & Data Science @ G.A.T's mission is to produce students by strengthening the theoretical and practical aspects of the learning process by strong research culture in collaboration with communities to build healthy and sustainable world and to establish entrepreneurship among young minds. The mission is also to enable students to become leaders in industry and academia by developing technology to enhance social service and health care interventions by focusing on AI with strong bases in ethical principles.</p> <p>The Department has excellent collaborations with the industry and with Research Institutions to guide faculty and students and give periodic training to the faculty members.</p>	<p>About the Program</p> <p>World is undergoing a proliferative technological advancement in all disciplines of higher education. The areas such as Engineering, Medicine, Management etc. are considerably developing with the quantitative data analysis obtained by various measurements. The data to be analyzed has to be reliable and adequate enough to process, interpret and infer. This involves challenges such as efficient pre-processing, possibility of having missing and incomplete data, presence of noise, data being skewed and imbalanced etc. which have to be accurately addressed before fitting a model. The performance of the model depends on a larger extent on the efficacy of the features which have to be logically extracted for a good overall performance. From this a subset of carefully selected features with an objective criterion can provide improved performance. With the advent of high-speed computational hardware and the state-of-the-art models such as deep learning algorithms being applied in all the aspects and strata of human life, it has become imperative to deep dive into nuances of data science and its diversified application spectrum.</p> <p>The main objective of this program is to enhance the importance of pre-processing and feature engineering in real world scenario where data is raw, imbalanced, skewed yet possess relevant information. Also, it is mandated in the national higher education policy to introduce the undergraduate programs in Data Science, Machine Learning, Artificial Intelligence etc. There is dire need to introduce, promote and provide basic conceptual framework from scratch to the stakeholders of these programs. In light of the technological advancements and reforms in the academic curriculum this programme can augment and supplement in order to enrich the skills of the participants.</p> <p>Objectives and Scope</p> <ul style="list-style-type: none">➤ To provide an in-depth knowledge with hands-on experience in all pre-processing techniques.➤ To explore feature engineering concepts such as feature extraction, selection, reduction etc., through practical approach.➤ To enhance participants with the state-of-the-art deep learning models with real world case studies through hands-on.➤ To provide additional information to the participants on recent developments in deep learning and possible research areas for young researchers.
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Global Academy of Technology in association with Indian Institute of Information Technology, Allahabad, (IIITA) is organized a 5-day Faculty Development Programme (FDP) on “Feature Engineering in Data Science and Deep Learning Models” from 25th to 29th August, 2021 for Faculty, Research scholars & Students.

The FDP will comprise of conceptual and practical sessions which shall be threaded by the eminent resource persons from IIITA and Industry of well repute. The 5-day FDP program will served a great platform for the participants to upgrade their knowledge in Feature Engineering and Deep Learning Models. With hands-on sessions on:



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- Dealing with Data in Machine Learning
- Feature Engineering
- Deep Learning Algorithms

Certificate:



SUBMITTED BY: Mrs. Beena K

Beena K

SIGNATURE OF FACULTY

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**K.S. INSTITUTE OF TECHNOLOGY
 BENGALURU - 560 109.**

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HOD

**Head of the Department
 Dept. of Computer Science & Engg
 K.S. Institute of Technology
 Bengaluru - 560 109**



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Department of Computer Science& Engineering
FDP REPORT

ON

SOFTWARE DEFINED NETWORKS AND ITS APPLICATIONS

Venue: Online

Date: 27-9-2021 to 1-10-2021

I, **Mr. Manoj Kumar S**, Assistant Professor, Department of CSE,KSIT, attended Faculty Development Programme on “Software Defined Networks and its Applications” Organized by the IEEE computer society, RVCE student Chapter in association with CSE,ECE,TCE at RVCE.

Brochure:

IEEE Computer Society, RVCE
In association with
Department of Computer Science and Engineering
and
Department of Electronics and Telecommunication
Engineering, RVCE
Brings to you

A five days online workshop on
"Software Defined Networks and its Applications"

Date: 27th September 2021 to 1st October 2021

About Software Defined Networks (SDN):
 Computer Network scenarios is changing with the introduction of Data Center Networks (DCN). Networks concepts and protocols designed for private (public) network may not work for DCN (Private Networks). Thus there is a need to transform network paradigm from closed box to programable Networks. SDN is an internet towards that.

Registration:

Or register at : <https://bit.ly/ieeesdn>

Free Registration
Registration Deadline: 23rd September 2021
Targeted Audience: Students, Faculty, Researchers and Industry Persons

RV College of Engineering
IEEE Student Branch

Topic List

- 1) Introduction to SDN and its general Framework
- 2) Introduction to Virtual and Different Controllers
- 3) Hands on session on Mininet with creation of simple topologies
- 4) REST API Introduction
- 5) Discovering the underlying network topology with hands on session
- 6) Introduction to OpenFlow
- 7) Case Study on use of Cloud-Flow in NS2
- 8) SDN in industry perspectives by NOKIA Systems

Resource Persons:

- 1) Dr. Ashok Kumar A.R., Associate Professor, Dept of CSE, RVCE
- 2) Dr. Mohan P. Tabilani, Assistant Professor, Dept of CSE, NITK Surathkal
- 3) Prof. Shriya M., Assistant Professor, Dept of CSE, RVCE
- 4) Dr. Bhavani Rani K.R., Assistant Professor, Dept of CSE, NIT Warangal
- 5) Prof. Ravindra K., Assistant Professor, Dept of CSE, RVCE
- 6) Prof. Suresh B., Assistant Professor, Dept of CSE, MSBIT Bangalore
- 7) Dr. K. Sarabjith, Associate Professor, Dept of ECE, RVCE
- 8) Mr. Rajeev Lakshmi Ramaswamy, Principal Technical Specialist, Nudge Networks, NOKIA Systems India Pvt. Ltd.
- 9) Prof. K. Vishwawarhan Reddy, Assistant Professor, Dept of ECE, RVCE
- 10) Mr. Saranath Saisena, Principal Technical Specialist, Nudge Networks, NOKIA Systems India Pvt. Ltd.

Conveners:

- 1) Dr. Balakrishna Kumar P., Professor and Head, Dept. of Computer Science and Engineering, RV College of Engineering, Bangalore.
- 2) Dr. K. Suresh Kumar, Professor and Head, Dept. of Electronics and Telecommunication Engineering, RV College of Engineering, Bangalore.

Organizing Committee:

- 1) Dr. Ashok Kumar A.R., Associate Professor, Dept of CSE, RVCE Bangalore
- 2) Dr. Nagaraj S.S., Professor and Associate Dean-PG-CSE, Dept of CSE, RVCE Bangalore
- 3) Prof. Shriya M., Assistant Professor, Dept of CSE, RVCE Bangalore
- 4) Prof. Pavitra H., Assistant Professor, Dept of CSE, RVCE Bangalore
- 5) Prof. Ganesh Rao Sankar, Assistant Professor, Dept of CSE, RVCE Bangalore
- 6) Prof. B. Vishwawarhan Reddy, Assistant Professor, Dept of ECE, RVCE Bangalore

Student Co-ordinators:

Anshika R. Joshi, Mobile: 8217457745, Email: anshuraj@coe.org
 Vishal M., Mobile: 9645160221, Email: vishalm@coe.org

About FDP

This FDP aimed to provide a comprehensive understanding of Software Defined Networking (SDN) concepts, architectures, protocols, and practical applications across various domains.

Objectives:



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- To introduce participants to the fundamentals of Software Defined Networking (SDN) and its underlying principles.
- To explore the architecture, components, and protocols associated with SDN.
- To discuss the diverse applications and use cases of SDN in domains such as telecommunications, data centres, cloud computing, and Internet of Things (IoT).
- To provide hands-on experience with SDN tools and platforms for network provisioning, management, and optimization.
- To facilitate networking opportunities among participants, experts, and practitioners in the field of SDN.

The Faculty Development Program on "Software Defined Networks and its Applications" organized by RVCE was a resounding success, attracting enthusiastic participation from faculty members, researchers, and industry practitioners. The event served as a platform for knowledge dissemination, skill enhancement, and collaborative engagement in the domain of SDN. Participants departed with enriched insights, practical skills, and valuable connections to further explore and contribute to the field of Software Defined Networking.

Certificate:



SUBMITTED BY: Mr. Manoj Kumar S

Manoj Kumar S
SIGNATURE OF FACULTY

Prakash Kumar
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Prakash Kumar
HOD
Head of the Department
Dept. of Computer Science & Engg
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Bengaluru -560 109



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Department of Computer Science & Engineering
FDP REPORT
ON
AMAZON WEB SERVICES

Venue: RVITM

Date: 22-08-2022 to 27-08-2022

I, **Mrs. Geetha R**, Assistant Professor, Department of CSE .KSIT, attended One week Faculty Development Programme on “Amazon Webb Services” organized by Department of ISE, RV Institute of Technology at RVITM, Bangalore on 22nd to 27th August 2022 in Association with BrainOvision, Hyderabad.

The flyer is for a one-week national-level faculty development program on Amazon Web Services. It features logos for RV Institute of Technology and Management, AWS, BrainOvision, and AICTE. The program is held from August 22nd to 27th, 2022, from 6:30 PM to 8:00 PM. The chief coordinator is Dr. Buddha Chandrashekhhar, and the honorable chief guest is Dr. Jayapal R. The program is organized by the Department of Information Science & Engineering at RVITM.

RV Institute of Technology and Management
Affiliated to Visvesvaraya Technological University, Bangalore | Approved by AICTE, New Delhi.

aws

One week National Level Faculty Development Program On Amazon Web Services

Join Free Virtual Faculty Development Program

BRAIN O VISION
Brain O Vision Solutions India Pvt. Ltd.

AICTE
All India Council of Technical Education

Ministry of Education
Government of India

22nd to 27th - AUG 2022
06:30 PM - 08:00 PM

DR BUDDHA CHANDRASHEKHAR
Chief Coordinator - AICTE
Honorable Chief Guest - for Event

Use Host College Code : RV Institute of Technology and Management

www.brainovision.in/fdp-faculty

Participation Certificate will be Provided | Last date: 20-Aug-2022, 06:00 PM

PATRON
Dr. Jayapal R
Principal, RVITM

CONVENOR
Dr. Latha C A
Prof. & Head, ISE, RVITM

Organized by:
Department Of Information Science & Engineering

About FDP

In an era marked by rapid technological advancements, educators play a pivotal role in preparing students for the challenges and opportunities of the digital age. In Cloud computing has emerged as a transformative force, revolutionizing the way businesses operate and accelerating innovation across industries. Recognizing the importance of equipping faculty



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members with the knowledge and skills to leverage cloud technologies effectively, a Faculty Development Programme (FDP) on Amazon Web Services (AWS) was organized. This FDP provides an overview and its significance in enhancing pedagogical practices and fostering innovation in education.

The Faculty Development Programme on Amazon Web Services has emerged as a catalyst for educational transformation, empowering faculty members to embrace cloud technologies and innovate in their teaching and research endeavours. By equipping educators with the necessary knowledge and skills, the FDP has positioned academic institutions to nurture a future-ready workforce capable of driving digital innovation and sustainable growth.

Certificate:



SUBMITTED BY: Mrs. Geetha R

Geetha R
SIGNATURE OF FACULTY

Dr. Kumar
PRINCIPAL
PRINCIPAL
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Department of Computer Science & Engineering

FDP REPORT
ON
“AN OVERVIEW OF TEACHING TECHNIQUES IN INNOVATION & DESIGN THINKING”

Venue: VIAT

Date: 27-12-2021 to 31-12-2021

Mrs. Rashmi H & Mrs. Pallavi K N, Assistant Professor, Department of CSE,KSIT attended on Training Programme on “An Overview of Teaching Techniques in Innovation & Design Thinking” organized by VTU Human Resource Development Centre (VTU-HRDC), VIAT, Muddenahalli, Chikkaballapur from 2nd to 6th March 2022.

Brochure:

<p style="text-align: center;">AICTE-VTU Joint Training Programme for AICTE Approved & VTU Affiliated Technical Institutions Teachers</p> <p style="text-align: center;">One Week Training Programme for Teachers On “An Overview of Teaching Techniques in Innovation and Design Thinking”</p> <p style="text-align: center;">REGISTRATION FORM</p> <p>Name: _____</p> <p>Mobile: _____</p> <p>Email: _____</p> <p style="text-align: center;">Declaration by the Applicant</p> <p>If selected, I agree to abide by the rules and regulations of the training programme of VTU-HRDC and shall attend all the sessions compulsorily.</p> <p>Date: _____</p> <p style="text-align: right;">Signature of the Applicant</p> <p style="text-align: right;">Recommended and Forwarded</p> <p style="text-align: right;">Signature of the Head of the Institution</p>	<p style="text-align: center;">CHIEF PATRON Dr. Karisiddappa Hon'ble Vice Chancellor, VTU, Belagavi</p> <p style="text-align: center;">PATRONS</p> <p style="text-align: center;">Dr. Anand S Deshpande Registrar, VTU, Belagavi</p> <p style="text-align: center;">Dr. Rangaswamy B E Registrar (Evaluation), VTU, Belagavi</p> <p style="text-align: center;">Mrs. A. Sapna Finance Officer, VTU, Belagavi</p> <p style="text-align: center;">Dr Sudarshan Reddy H R Coordinator, VTU CPGSB, VIAT, Muddenahalli</p> <p style="text-align: center;">University Coordinator Dr. N Chikkanna Regional Director (I/c), VTU Regional Office, Bengaluru</p> <p style="text-align: center;">Program Coordinator Dr. Thirtha Prasada H.P. Associate Professor & Program Coordinator, Dept. of ME, VTU-CPGS, Muddenahalli</p> <p style="text-align: center;">ORGANISING COMMITTEE</p> <p>Dr Basawaraj , Assoc. Professor & Chairperson, Dept. of APT Dr. Shiva Murthy G, Assoc. Prof & Prog. Coordinator Dept. of CSE Dr. Sarika Raga, Assoc. Prof. & Prog. Coordinator, Dept. of ECE Dr. H.H. Ramesha, Program Coordinator, Dept. of MBA Dr. Dinesh Rangappa, Professor, Dept. of NT Dr. G.S.Venkatesh, Professor, Dept. of ME Dr. T.C.Tanuja, Professor, Dept. of ECE Dr. Anand Kumar S, Assoc. Professor, Dept. of NT Dr. Pankajakshi, Assoc. Prof. Dept. of MBA Dr. Ashwin C. Gowda, Asst. Professor, Dept. of ME Dr. Prasad U. Raikar, Asst. Professor, Dept. of ME Mrs. Reshma M, Asst. Professor, Dept. of ECE Mr. Sanjeev G Palekar, Asst. Professor, Dept. of APT Dr. Prassana D. S, Asst. Professor, Dept. of NT Dr. Roopadharshini S, Asst. Professor, Dept. of MBA Mr. Lakshminarayana K, Asst. Professor, Dept. of MBA Mrs. Niveditha M U, Asst. Professor, Dept. of MBA Dr. Veenuarani K, Asst. Professor, Dept. of MBA Dr. Nimala Hiremani, Asst. Professor, Dept. of CSE Mrs. Renuka Malge, Asst. Professor, Dept. of CSE Mr. Yadhunath B H, Asst. Professor, Dept. of CSE Mr. Vishwanath H, Asst. Professor, Dept. of MBA Mr. Vinod Kumar G, Asst. VTU RO, Bengaluru</p>	<p style="text-align: center;">AICTE-VTU Joint Training Programme for AICTE Approved & VTU Affiliated Technical Institutions Teachers</p> <p style="text-align: center;">One Week Training Programme for Teachers On “An Overview of Teaching Techniques in Innovation and Design Thinking”</p> <p style="text-align: center;">27th Dec 2021 – 31st Dec 2021</p> <div style="display: flex; justify-content: space-around;"> </div> <p style="text-align: center;">Organized By:</p> <p style="text-align: center;">VTU- Human Resource Development Cell (HRDC) Visvesvaraya Technological University Centre for Post Graduate Studies Bengaluru Region, Muddenahalli Chikkaballapur-562101</p> <p style="text-align: center;">Venue: Online</p> <p style="text-align: center;">Platform: CISCO WebEx</p>
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Department of Computer Science & Engineering

About the VTU

Visvesvaraya Technological University (VTU) named after Bharat Ratna Dr. Sir M. Visvesvaraya established on 1st April 1998, as per the VTU Act 1994 of the Government of Karnataka. University has been established by the Government of Karnataka in order to promote planned and sustainable development of technical education and has its Head Office located in Belagavi in the state of Karnataka. Reckoning the fact that, University is a seat of confluence of knowledge and as a technological University, Visvesvaraya Technological University does not restrict itself only to curricular activities but also emphasizes on the overall growth of knowledge in society and hence its campus in Belagavi is named aptly as "Jnana Sangama". The University has jurisdiction over the whole state of Karnataka. VTU has established four regional centers at Bengaluru, Mysuru, Kalburgi and Belagavi for administrative convenience. VTU is one of the prestigious and largest technological Universities in the India having one Constituent College, 220 Engineering colleges and 20 Autonomous Colleges.

VTU is imparting technical education to more than lakh students under its 35 Undergraduate & 94 Postgraduate Programs. VTU is offering Doctoral programs in 865 departments in various affiliated Colleges which have been recognized as research centers. Around 5000 Research Scholars are pursuing for Doctoral and M.Sc. (Engineering) By Research programmes. VTU has established full-pledged Centers for Post Graduate Studies at Muddenahalli, Kalburgi, Belagavi and Mysuru.

About AICTE, New Delhi

All India Council for Technical Education (AICTE) was set up in November 1945 as a national-level apex advisory body to conduct a survey on the facilities available for technical education and to promote development in the country in a coordinated and integrated manner. And to ensure the same, as stipulated in the National Policy of Education (1986), AICTE was vested with

- Statutory authority for planning, formulation, and maintenance of norms & standards
- Quality assurance through accreditation
- Funding in priority areas, monitoring, and evaluation
- Maintaining parity of certification & awards.

About the VTU PG Centre, Muddenahalli

The Visvesvaraya Technological University, Post Graduate Center, Bengaluru Region, Muddenahalli has 200 acres campus located at Muddenahalli, Chikkaballapura (Dist). Muddenahalli is the birth place of great legend Bharata Ratna Sir M. Visvesvaraya. It has all necessary infrastructure required for imparting quality education through its well-structured administrative and academic staff for overall development of student's personality. Center for PG Studies has five full time post graduate programmes in M.Tech, MBA and MCA. All the departments have well qualified faculty.

About Training Programme:

There has been increasing emphasis on research and development, creativity and innovation due to globalization, intense competition and rapid technological developments. Society is facing a number of challenges that require novel responses. Products have shorter life cycles and there is a need to develop new products that meet the needs and expectations of customers. Creativity and innovation have become essential for survival of any organization or industry. Creativity may not lead to innovation but for any innovation to happen, creativity is essential. Thus, it is essential to develop capabilities to solve problems creatively, innovate and undertake R & D among learners of 21st century. The module aims at enabling the teachers working in technical institutions to understand the concept and process of creative problem solving, innovation and R & D so as to enable them solve problems faced creatively and innovate the processes, products, and services in institutions or in their own areas of specializations; and to ensure development of these capabilities among the learners. In addition, the module aims at enabling the teachers to undertake research to improve the relevance, efficiency and effectiveness of various sub-components of technical education system.

Innovation and Design Thinking Training programme provides an introduction to the basic concepts and techniques of engineering, industrial design skills and design knowledge, real design, creative and analytical thinking, reverse engineering, basics and development of engineering drawing, application of engineering drawing, etc.

Resource Persons:

Renowned Experts from reputed Institutions, Senior Faculties of VTU and Industry Experts.

Eligibility:

Teachers from AICTE Approved and VTU Affiliated Technical Institutes those who are interested in teaching the "Innovation and Design Thinking" course.

Registration Fee:

No Registration Fee

How to Apply:

Registration through Google Form link
<https://forms.gle/3Zp3V53vwybMpeFA>

Programme Timings (Each Day):

- (i) First session: 10 am to 1 pm (3 hours)
- (ii) Lunch break: 1 pm to 1.30 pm
- (iii) Second session: 1.30 pm to 4.30 pm (3 hours).

Certificate:

The certificate of participation for the faculty who registers for the programme shall be issued, provided they satisfy the attendance requirement of 80 % of the 10 sessions held during five days of the programme and secure 60 % of the maximum marks (100) prescribed for formative evaluation and summative evaluation.

Contact for Information:

Dr. Thirthaprasada HP Mob: 8884666688
9448212726
Email: thirthaprasadh@gmail.com

About FDP

The FDP aimed to equip educators with a comprehensive understanding of innovation and design thinking methodologies and provide them with effective teaching techniques to foster creativity, problem-solving, and innovation among students.

- To provide an overview of innovation and design thinking principles and methodologies.
- To familiarize participants with effective teaching techniques for integrating innovation and design thinking into curriculum and pedagogy.
- To explore practical approaches for fostering creativity, critical thinking, and problem-solving skills among students.
- To discuss case studies and best practices in innovation and design thinking education.
- To facilitate networking opportunities among participants and experts in the field of innovation and design thinking.

The Faculty Development Program on "An Overview of Teaching Techniques in Innovation & Design thinking" organized by VTU Human Resource Development Centre (VTU-HRDC) at VIAT was a resounding success. It equipped educators with practical insights, teaching techniques, and resources to foster innovation, creativity, and problem-solving skills among students. Participants departed with a renewed commitment to integrating innovation and design thinking into their teaching practices and curriculum.



Kammavari Sangham (R)-1952

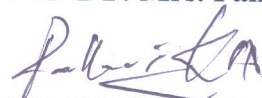
K.S.INSTITUTE OF TECHNOLOGY

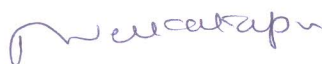
Department of Computer Science & Engineering

Certificate:



SUBMITTED BY: Mrs. Pallavi K N


 SIGNATURE OF FACULTY



HOD

Head of the Department
 Dept. of Computer Science & Engg
 K.S. Institute of Technology
 Bengaluru - 560 109



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 BENGALURU - 560 109.



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Department of Computer Science & Engineering

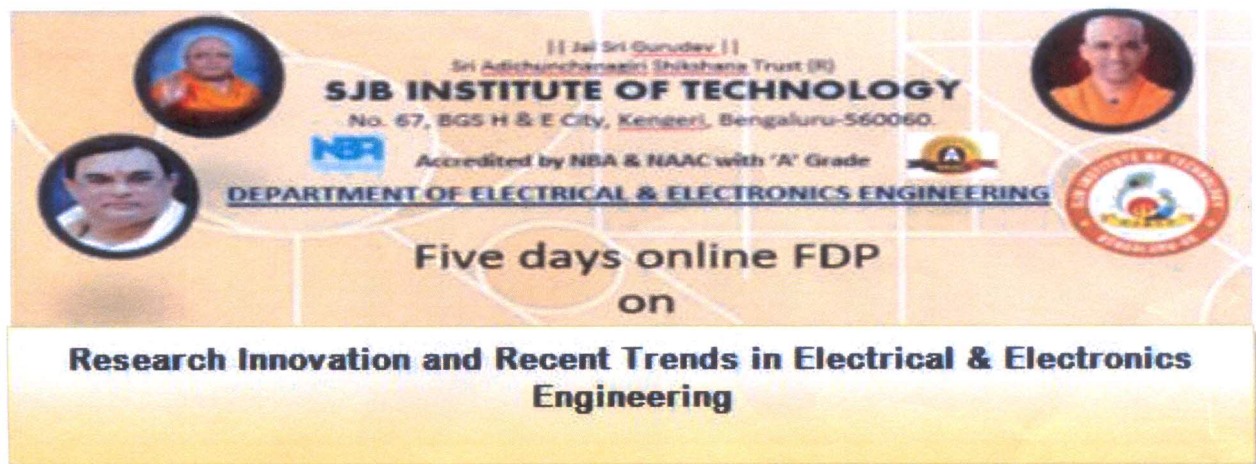
FDP REPORT
ON
ADVANCE CONCEPTS ON NETWORKING AND LINUX

Venue: ONLINE

Date: 16-08-2021 to 20-08-2021

Dr. Deepa S R & Mrs. Sougandika Narayan Associate Professor, Assistant Professor Department of CSE, KSIT, attended a Five Days Faculty Development Programme on “Research Innovation and Recent Trends in Electrical & Electronics Engineering” in Online Mode.

Brochure:



About FDP:

The online Faculty Development Programme on "Research Innovation and Recent Trends in Electrical & Electronics Engineering" provided a comprehensive platform for educators and professionals to explore the latest advancements and innovations in the field. Through a series of interactive sessions, participants were immersed in discussions on emerging technologies, cutting-edge research, and future trends shaping the landscape of electrical and electronics engineering. Topics such as renewable energy systems, smart grid technologies, Internet of Things (IoT), artificial intelligence applications in electrical engineering, and nanotechnology were among the focal points, allowing participants to gain valuable insights into the forefront of the discipline. Expert speakers and industry practitioners shared their expertise and experiences, offering practical perspectives and showcasing real-world applications of innovative technologies. The online mode of delivery facilitated seamless participation from diverse geographical locations, fostering collaboration and knowledge exchange among participants. Overall, the Faculty Development



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K.S.INSTITUTE OF TECHNOLOGY

Department of Computer Science & Engineering


Programme served as a catalyst for fostering research innovation and preparing educators to equip students with the skills and knowledge needed to excel in the rapidly evolving field of electrical and electronics engineering.

Certificate:




SUBMITTED BY: Mrs. Sougandhika Narayan


SIGNATURE OF FACULTY


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BENGALURU - 560 109


HOD

Head of the Department
Dept. of Computer Science & Engg
K.S. Institute of Technology
Bengaluru -560 109.



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Department of Computer Science & Engineering

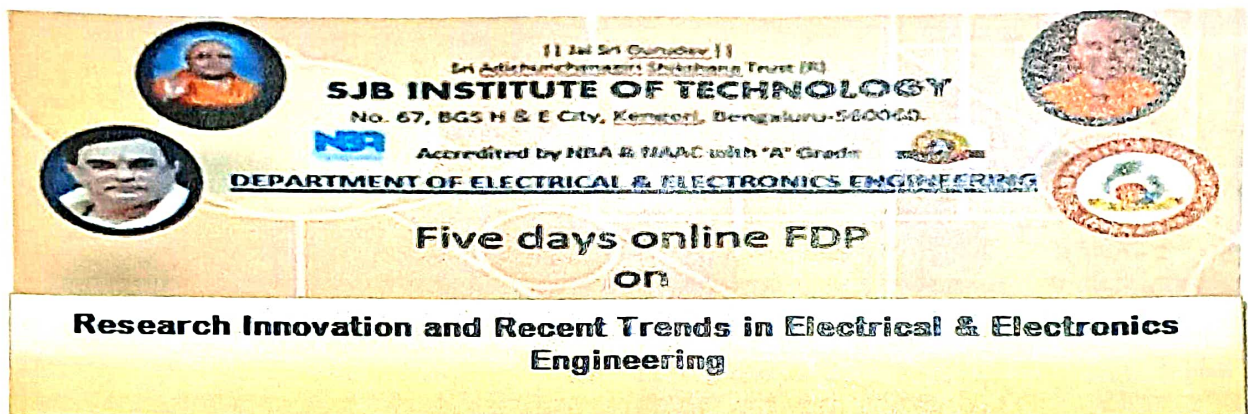
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ON
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Department of Computer Science & Engineering

Programme served as a catalyst for fostering research innovation and preparing educators to equip students with the skills and knowledge needed to excel in the rapidly evolving field of electrical and electronics engineering.

Certificate:



SUBMITTED BY: Mrs. Soughandika Narayan

Soughandika Narayan
SIGNATURE OF FACULTY

Ajal Chandran C K
PRINCIPAL

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109

Dr. Babu N V

HOD

Head of the Department
Dept. of Computer Science & Engg
K.S. Institute of Technology
Bengaluru -560 109



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Department of Computer Science & Engineering

FDP REPORT
ON
EMERGING TRENDS IN COMPUTATION

Venue: MSRIT

Date: 2-8-2021 to 6-8-2021

I, Dr. Vijayalaxmi Mekali Associate Professor, Department of CSE, KSIT attended a FDP on "Emerging Trends in Computation" organized by CSE, ISE, MCA, in association CISCO System (India) Pvt Ltd Bengaluru from 2nd to 6th Aug 2021 at MSRIT.



RAMAIAH
INSTITUTE OF TECHNOLOGY

**Five Day Faculty Development
Programme on**

**Emerging Trends in Computation
2nd to 6th Aug 2021**

About FDP

The Faculty Development Program (FDP) on "Emerging Trends in Computation" was organized by M.S. Ramaiah Institute of Technology (MSRIT) with the aim of providing a platform for academicians and researchers to explore and discuss the latest advancements and trends in the field of computation. The FDP was designed to address various aspects of computation including but not limited to Artificial Intelligence, Machine Learning, Data Science, Quantum Computing, and Internet of Things (IoT).

Objectives:

- To familiarize participants with recent advancements and emerging trends in computation.
- To enhance the understanding of theoretical concepts and practical applications in the field.
- To encourage interdisciplinary collaboration among participants.

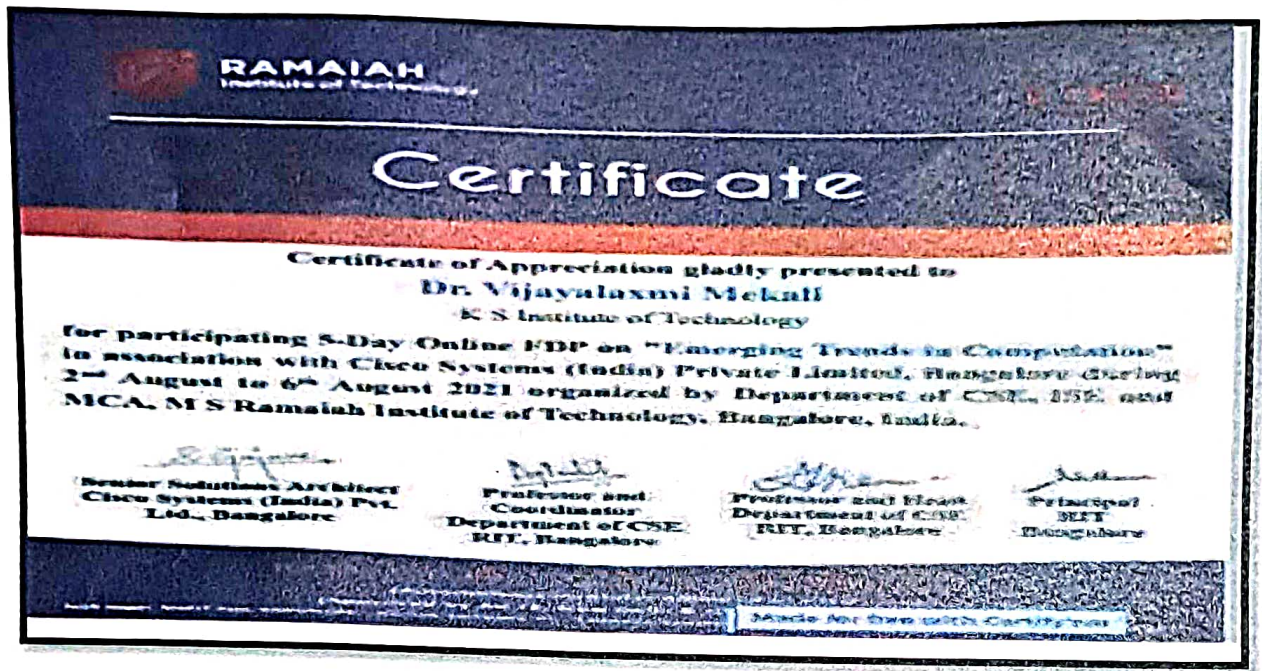
The Faculty Development Program on "Emerging Trends in Computation" organized by MSRIT was a resounding success, attracting enthusiastic participation from academicians, researchers, and industry practitioners. The event served as a platform for knowledge dissemination, skill enhancement, and collaborative engagement in the ever-evolving field of computation. Participants



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 Department of Computer Science & Engineering

departed with enriched insights, valuable connections, and renewed enthusiasm to contribute towards the advancement of computation in academia and beyond.

Certificate:



SUBMITTED BY: Dr. Vijayalaxmi Mekali

SIGNATURE OF FACULTY

HOD

Head of the Department
 Dept. of Computer Science & Engg
 K.S. Institute of Technology
 Bengaluru - 560 109

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 BENGALURU - 560 109.

Report

on

Business Plan Development for Early stage Startup

From

23rd August 2021 to 9th Sep 2021

Organized by

**Department of EEE
CMR Institute of Technology
Bangalore**

Submitted by:

**Dr P N Sudha
prof. & Head ECE dept.
KSIT Bangalore**

On 23rd Aug Introduction was given on **How to Start a the startup.**

On 24th Aug 2021 session was on Application of Design Thinking Tools and Approach for Right Problem Identification and Solution Development. The Speaker - Mr. Arjun Panchal, Founder - PapaZapata, Author - What Happens in America (Amazon.in), Startup Mentor.

On 25th Details about funding agencies ready to support the startups were discussed.

On 26th the speaker briefed about the problems that can incur when idea to be converted to prototype.

On 27th to 9th Sep speakers discussed about their experience about the startup and how seed money can help the startups.

In this FDP the resource persons discussed about various government funding agencies ready to fund. They also briefed about the methods to apply for funding and template for the same was discussed.

Arjun Panchal

*P
10/9*



CMR INSTITUTE OF TECHNOLOGY

ITPL Main Road, AECS Layout , Bengaluru - 560 037,
Karnataka, India



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of HRD Initiative)

Innovation & Entrepreneurship Cell and Entrepreneurship Development Cell

CERTIFICATE OF ONLINE PARTICIPATION

This is to certify that Dr P N Sudha, K S Institute of Technology has
attended the 16 days online Faculty Development Program (FDP) on “ Business Plan Development for
Early Stage of Startup” jointly organized by CMRIT-I&E Cell and ED Cell of CMR Institute of
Technology, Bengaluru from 23rd August 2021 to 9th September 2021.

Prof. Sandeep Kumar M
EDC Head, CMRIT

Dr. V. Agalya
I&E/IC Head, CMRIT

Dr. Sanjay Jain
Principal, CMRIT



K. S. INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING

Faculty Name: Dr. B. Surekha

FDP on Quantum computing Algorithms & Machine Learning

Organized by ATAL Academy, RVCE, Bengaluru

Duration: 02-08-2021 to 06-08-2021

About FDP:

Quantum computing presents a transformative opportunity for machine learning, offering new algorithms that can tackle complex problems more efficiently than classical methods. Quantum Support Vector Machine (QSVM), Quantum Principal Component Analysis (QPCA), Quantum Neural Networks (QNNs), and other quantum algorithms promise advancements in classification, dimensionality reduction, and unsupervised learning tasks. Despite being in its early stages, the potential of quantum computing to revolutionize machine learning is evident. However, practical implementations are constrained by the current state of quantum hardware. As quantum computing technology progresses, the intersection of quantum computing and machine learning is expected to lead to significant advancements, solving complex problems and driving innovation in AI and data science. Quantum computing's ability to harness quantum principles such as superposition and entanglement offers unique advantages in solving optimization and pattern recognition problems inherent in machine learning tasks. As quantum hardware continues to advance and become more accessible, researchers anticipate further exploration and refinement of quantum algorithms for machine learning, paving the way for transformative breakthroughs in the field.


SIGNATURE OF THE STAFF


HOD - ECE



No:ATAL/2021/1622265167



ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

AICTE Training And Learning (ATAL) Academy

Certificate

This is certified that SUREKHA BORRA, Professor of K.S.INSTITUTE OF TECHNOLOGY participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Quantum Computing Algorithms and Machine Learning" from 2021-08-02 to 2021-08-06 at R V College of Engineering.

A handwritten signature in black ink, appearing to read "Mamta", written over a horizontal line.

Advisor - ATAL Academy



A handwritten signature in black ink, appearing to read "BBS", written over a horizontal line.

Coordinator



K S Institute of Technology, Bengaluru– 109

Department of Telecommunication Engineering

Report on FDP titled “Revolution in 5G and beyond with Industrial Instrumentation approach and Machine Learning”

Date and Time of webinar: 13/09/2021 to 17/09/2021 from 9.15AM to 4.30PM

Through : Zoom online Platform.

Organized by: Department of Electronics & Telecommunication Engineering In Association with Electronics and Instrumentation Engineering ATAL Academy sponsored Online FDP

Scope and Objectives:

The objective is to provide an exposure to re-cent trends in industry automation through the experts from renowned academic institutions and Industry.

Schedule:

DAY	9.15am-9.45am	Session 1 9.45am-11.15 am	Session2 11.30am-1.30 pm	Session 3 2.30pm-4.30pm
13/9/2021 Monday	Inauguration &Keynote Session	“Introduction to 5G” Ms Shreya	“Recent Trends in Industry 4.0 and IoTs” Dr.NC Shivaprakash	“5G and Industry Trends” Mr.Santosh Venkat
14/9/2021 Tuesday	“Cyber Security in Industry 4.0” Mr Ravikiran Heranjali, Managing Director		“5G and Beyond” Dr Ekant Sharma	“Smart Sensors and actuators” Mr. K Jayaprakash
15/9/2021 Wednesday	“Deep Diving into 5G” Dr. Geetha Prakash		“5G and IoT;An Overview” Mr Girish	“Hands on- Multimedia Subsystem and other test cases” Mr Girish Baliga

			Technologies,
16/9/2021 Thursday	“Basic concepts and adoption of SDR & De-sign and develop custom GNU Radio pro-cessing block with the open source SDR tools &technology “ Mr. Rajvardhan Singh	Stress Management Suvetha Gopal	“Wearable Sensors and Medical IoT systems” Dr. S B Bhanu Prashanth
17/9/2021 Friday	“Hands on Smart Factories” Mr Girish Baliga	“Machine learning and Big Data Analytics” Mr Girish Baliga	Feedback/Valedictory (2:30 p.m. - 3:30 p.m.) Online Test (MCQ) (3:30 p.m. - 4:30p.m.)

Day-1: (Session 1 9.45am-11.15am)

Resource Person: Ms Shreya, Senior Network Engineer CISCO systems

“Introduction to 5G”

Speaker discussed about underlaying to make up 5G. She discussed about evolution of 5g and various comparison between 3G, 4G and 5G. Impact of 5G on global technology and how do business use 5G are also discussed.

Day-1: (Session2 11.30am-1.30 pm)

Resource Person: Dr. NC Shivaprakash Professor, Department of In-strumentation IISc Bangalore

“Recent Trends in Industry 4.0 and IoTs” The speaker discussed following things:

Top ten skills to be relevant in industry 4.0

Structure of IoT

Application of IoT

Technological challenges in IoT

Day-1: (Session 3 2.30pm-4.30pm)

Resource Person: Mr Santosh Venkat, Associate Director, Business Solutions Subex, Bangalore

“5G and Industry Trends”

The speaker discussed following things:

Capture the opportunities of 5G. Get latest insights into the changing 5G consumer market. With 5G, demand for new services is growing rapidly. A complete 5G platform. Cloud infrastructure. Network orchestration.

Day-2: Session 1 9.15am-11.15 am

Resource Person: Mr Ravikiran Heranjal, Managing Director, Yugup Prokraft Pvt Ltd, Educational

“Cyber Security in Industry 4.0”

The speaker discussed following things:

Industry 1.0 to 5.0

Types of cyber attacks

IoT-explots and risks

Robotics- explots and risks

Cloud computing- explots and risks.

Day-2: Session2 11.30am-1.30 pm

Resource Person: Dr Ekant Sharma Department of Electronics and Communication Engineering.

“5G and Beyond”

The speaker discussed following things:

5G cellular architecture.

Single use pair relay model

Full duplex multi pair two way relay

Global energy efficiency

Day-2: Session 3 2.30pm-4.30pm

Resource Person: Mr. K Jayaprakash Senior General Manager Discipline Head – C&I, TATA Consulting Engineers Ltd(TCE)

“Smart Sensors and actuators”

The speaker discussed following things:

Process of Machine Learning (neuronal networks)

Embedded Control for Smart Sensors and Actuators

Sensor Technology (e.g. MEMS)

Methods of System Networking (wired and wireless communication)

Methods of Data Processing (e.g. Cloud Computing, Big Data)

System Design

Day-3: Session 1 9.15am-11.15am

Resource Person: Dr. Geetha Prakash Country Programs Officer, Toopole Technologies Pte Ltd Singapore

“Deep Diving into 5G”

The speaker discussed following things:

Base station types

Small cell and 5G

Massive MIMO

Network slicing

5G challenges

Ericsson mobility visualizer

Day-3: (Session2 11.30am-1.30 pm)

Resource Person: Mr Girish Baliga Manager , Key sight Technologies, Bangalore

“5G and IoT;An Overview”

The speaker discussed following things:

5G new radio

Non stand alone and standalone modes

Radio resource control states

Day-3: (Session 3 2.30pm-4.30pm)

Resource Person: Mr Girish Baliga Manager Key sight Technologies, Bangalore

“Hands on- Multimedia Subsystem and other test cases”

The speaker discussed following things:

IP multimedia subsystem

5G IP multimedia subsystem

Day-4: Session 1 9.15am-11.15am

Resource Person: Mr. Rajvardhan Singh Solanki, Distinguished Alumnus, DSCE, Associate Project Manager, Calsoft, Bangalore

“Basic concepts and adoption of SDR & De-sign and develop custom GNU Radio pro-cessing block with the open source SDR tools & technology “

The speaker discussed following things:

Virtual reality

VR Architecture

Need for AR and VR

AR/VR glass

Gadgets

Day-4: Session2 11.30am-1.30 pm

Resource Person: Suvetha Gopal, Faculty Art of Living

Stress Management

Day-4: Session 3 2.30pm-4.30pm

Resource Person: Dr. S B Bhanu Prashanth

Professor , Department of Medical Electronics BMS College of Engineering

“Wearable Sensors and Medical IoT systems”

The speaker discussed following things:

Wearable sensors

Typical parameters and salts measured using WS

Making of wearable sensors

Day-5: Session 1 9.15am-11.15am

Resource Person: Mr Girish Baliga Manager Key sight Technologies, Bangalore
“Hands on Smart Factories”

Speaker discussed about industry 4.0 smart manufacturing and application sensors to use cases.

Day-5: Session2 11.30am-1.30 pm

Resource Person: Mr Girish Baliga Manager Key sight Technologies, Bangalore
“Machine learning and Big Data Analytics”

Day-5: Session 3 2.30pm-4.30pm

Feedback/Valedictory (2:30 p.m. - 3:30 p.m.) Online Test (MCQ) (3:30 p.m. - 4:30 p.m.)

Report Submitted By


Dr. Chanda V Reddy


HOD 29/9/2021


Principal


Mr. Satish Kumar B



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Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

AICTE Training and Learning (ATAL) Academy

Certificate

This is certified that **Chanda V Reddy**, Professor of **K. S. Institute of Technology** participated & completed successfully AICTE Training And Learning (ATAL) Academy **Online Elementary FDP on "Revolution on 5 G and Beyond with Industrial Instrumentation Approach, Machine Learning"** from **13/09/2021 to 17/09/2021** at **Dayananda Sagar College of Engineering**.

A handwritten signature in black ink, appearing to read "Mamta".

Advisor-I, ATAL Academy
Mamta Rani Agarwal



A handwritten signature in black ink, appearing to read "Srinidya B.V.".

Coordinator

No: ATAL/2021/1630469650



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Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

AICTE Training and Learning (ATAL) Academy

Certificate

This is certified that Satish Kumar B, Assistant Professor of K S Institute of Technology participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Revolution on 5 G and Beyond with Industrial Instrumentation Approach, Machine Learning" from 13/09/2021 to 17/09/2021 at Dayananda Sagar College of Engineering.

A handwritten signature in black ink, appearing to read 'Mamta Rani Agarwal'.

Advisor-I, ATAL Academy
Mamta Rani Agarwal



A handwritten signature in black ink, appearing to read 'Sindya B.V.'.

Coordinator



K S Institute of Technology, Bengaluru – 109

Department of Electronics & Communication Engineering

Report on FDP titled

“Recent Advances in RF and Wireless Communication”

Date: 2nd to 7th August 2021 (1 week)

Through :Cisco Webexonline Appliation.

Organized by:Department of Electronics and Telecommunication Engineering &Department of Electronics and Communication Engineering under IETE and SAGE Forum, Ramaiah Institute of Technology, Bengaluru

Scope and Objectives:

This FDP focused on importance of wireless communication in the current scenario.This FDPwas organized for Research scholars, Faculties and working professionals. Research scholars, working professionalsand faculties were benefited learning about different types of RF and wireless communication systems available in the market.During Day-1, introduction towireless communication was given.

In day-2, different types and evolution of wireless communication techniques have been introduced. In day-3, 1G to 5G techniques and their proper illustrations had been covered. Day-4 had been handson experience by learning new technological softwares like MATLAB and SIMULINK. 5th and 6th day also covered with practical problems faced in wireless and RF communication.

Mapping of FDP with PO'S and PSO'S

Event	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1
FDP	2	2	2	1	1	-	-	-	-	1	-	2	2

- PO1: Participants gained the knowledge of engineering fundamentals on wireless communication
- PO2: Participants can be able to analyze complex engineering problems.
- PO3: Participants can be able to apply the knowledge in using various programming tools like MATLAB and SIMULINK.
- PO4: Participants can identify complex problems for research work.
- PO5: Participants can utilize modern tools for research work (MATLAB and SIMULINK).
- PO10: Participants can communicate effectively by gaining knowledge.
- PO12: Participants can apply the basic knowledge in lifelong learning of new programming languages.
- PSO1: Participants are able to understand and apply programming tools to various fields of wireless and RF Communication problems.

Report Submitted By

Dinesh

Dr.Dinesh Kumar D S

Raj
22/2
HOD

HEAD OF THE DEPARTMENT
Dept. of Electronics & Communication Engg
K.S. Institute of Technology
Bengaluru - 560 109

Prakash Kumar S
Principal
PRINCIPAL

K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.



RAMAIAH
Institute of Technology



RAMAIAH INSTITUTE OF TECHNOLOGY

Departments of Electronics & Telecommunication Engineering and Electronics & Communication Engineering
(Technically supported by IETE Bangalore & SAGE USA)

CERTIFICATE
OF PARTICIPATION

This is to certify that

*Dr/Mr/Ms. **Dr.Dinesh Kumar D S** Associate Professor Telecommunication engineering*

*from **K S INSTITUTE OF TECHNOLOGY***

*has participated in the One Week Faculty Development Program on
"Recent Advances in RF and Wireless Communication" Jointly Organized by Departments
of Electronics & Telecommunication Engineering and Electronics & Communication Engineering
technically supported by IETE Bangalore Centre and SAGE (Shastry Associates Group Enterprise), USA
during 2nd to 7th August 2021*

Dr. B K Sujatha
Head, Department of ETE

Dr. Maya V Karki
Head, Department of ECE

Dr. N V R Naidu
Principal, RIT

SESSION: 1

Time and Date: 5:00 PM- 6:30 PM, 18-10-2021

Topic: Advance technologies in Electric Vehicle

Resource Person
Mr. Shyamsundar Kulkarni,
General Manager,
Motovolt Mobility Pvt. Ltd,
Bangalore

SESSION: 2

Time and Date: 5:00 PM- 6:30 PM, 19-10-2021

Topic: Hybrid Power Trains

Resource Person
Dr. Venkatesha K
Professor, Dept. of EEE,
BNMIT, Bangalore

SESSION: 3

Time and Date: 9:00 AM- 10:30 AM, 20-10-2021

Topic: Modelling and simulation of Renewable Energy Systems

Resource Person
Dr. Anushree Ramanatha
Senior Systems Engineer,
Enphase Energy,
California, USA

SESSION: 4

Time and Date: 5:00 PM- 6:30 PM, 21-10-2021

Topic: High Voltage Safety systems for Electric and Hybrid Vehicles

Resource Person
Mr. Prashanthkumar Palani
Automotive Homologation Consultant.
Haritha TechLogix, Tiruppur. Tamil Nadu

SESSION: 5

Time and Date: 5:00 PM- 6:30 PM, 22-10-2021

Topic: Challenges & Testing of Electric Vehicle & Components

Resource Person

Mr. Prashanthkumar Palani

Automotive Homologation Consultant,

Haritha TechLogix, Tiruppur, Tamil Nadu

SESSION: 6

Time and Date: 11:00 AM- 12:30 PM, 23-10-2021


Topic: Intellectual Property rights: Industry Design, Patents and Copyright

Resource Person

Ms. Girija V

Founder of IPaatEntiti IP Solutions.

Patent Attorney & Agent Trademark Attorney.


(Ramya K R)







Vidyamanruhamashnute

B. N. M. Institute of Technology

An Autonomous Institution under VTU. Approved by AICTE.

27th Cross, 12th Main, Banashankari 2nd Stage, Bengaluru - 560 070, INDIA

Ph: 91-80-26711780/81/82 E-mail: principal@bnmit.in, www.bnmit.org



Department of Sciences
& Technology
Government of India

Certificate

This is to certify that Dr./Mr./Ms./Mrs. RAMYA K R,
Assoc Professor, ECE, KSIT has participated in Faculty
Development Program on *RECENT ADVANCEMENTS IN ELECTRIC VEHICLE
TECHNOLOGY* funded by *NewGen IEDC, DST, Govt. of India*, organized by Department of
Electrical and Electronics Engineering, BNMIT, Bengaluru from 18th to 23rd October 2021.

Dr. R.V. Parimala
HOD EEE

Dr. Vijayashree L.
Head NewGen IEDC

Dr. Krishnamurthy G. N.
Principal

Prof. T. J. Rama Murthy
Director



National Institutional Ranking
Framework Ministry of Human Resource
Development, Govt. of India has
Ranked BNMIT in 201-250 band at all India level, under
Engineering Category (including IITs, NITs and IIITs)



All UC branches -
CSE, ECE, EEE, ISE &
Mechanical Engg
accredited by NBA for academic
years 2018-19 to 2021-22



National
Assessment and
Accreditation
Council has awarded BNMIT with
'A' Grade



BNMIT has secured
34th Rank in All
India TIMES survey
2021, among top 100 Engineering
Institutions in India



K. S. INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING

Faculty Name: Mr. Sampath Kumar S

FDP on Pedagogy of Teaching on E-Content Development for Effective Teaching

Organized by Christopher Arts and Science College (WOMEN), Tirunelveli

Duration: 05-07-2021 to 14-07-2021

About FDP:

Pedagogy for teaching e-content development involves strategies and principles tailored to the digital learning environment, aiming to ensure effective teaching and learning experiences. It begins with understanding learners' needs and designing content that is engaging, interactive, and accessible. Incorporating multimedia elements like videos, simulations, and interactive quizzes can enhance learner engagement and understanding. Additionally, adopting a learner-centered approach involves providing opportunities for active learning, such as discussions, collaborative projects, and problem-solving activities. Assessment strategies in e-content development should focus on measuring not only knowledge acquisition but also critical thinking, creativity, and application of concepts. Moreover, continuous evaluation and feedback mechanisms are essential for improving e-content quality and adapting to learners' evolving needs. Emphasizing clear communication and intuitive navigation within e-content platforms ensures ease of access and usability for learners. Overall, effective e-content development pedagogy prioritizes learner engagement, interactivity, accessibility, and continuous improvement to facilitate meaningful and impactful online teaching experiences.


SIGNATURE OF THE STAFF




HOD - ECE



CHRISTOPHER ARTS AND SCIENCE COLLEGE (WOMEN)

(Affiliated to Manonmaniam Sundaranar University)

Soorangudi, Via-Nanguneri, Tirunelveli-627 108, Tamil Nadu, India

Internal Quality Assurance Cell (IQAC)

Certificate of Participation

This is to certify that **SAMPATH KUMAR.S., Assistant Professor** of **K.S.I.T., BANGALORE** has actively participated and completed the Assignments and Assessments in the 10 days National level FDP on "*Pedagogy of Teaching and Tools on E-Content Development for Effective Teaching*" organized by IQAC, Christopher Arts and Science College (Women) from 5th July to 14th

July 2021.

Certificate ID: JPUMCC-CE000785

J. Rosan

Dr. Mercy Sarah Rosan
Principal



K. S. INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING

Faculty Name: Mr. Praveen A

FDP on Digital VLSI Design and Verification

Organized by BIT, Bengaluru

Duration: 23-08-2021 to 27-08-2021

About FDP:

Digital VLSI (Very Large Scale Integration) design and verification are integral processes in creating complex integrated circuits for modern electronic devices. Designers utilize hardware description languages such as Verilog or VHDL to specify the behavior and structure of digital circuits, including logic gates, registers, and multiplexers. These components are then integrated into larger modules and systems. Verification is a critical step to ensure that the designed circuits meet their specifications and function correctly. Various techniques, including simulation, formal verification, and emulation, are employed to validate functionality, timing, and power consumption. Simulation involves running test cases to assess circuit behavior, while formal verification uses mathematical methods to prove correctness. Emulation utilizes hardware platforms to mimic final chip behavior for more accurate validation. The reliability and performance of digital circuits in electronic devices heavily rely on the accuracy of the design and verification processes. As technology advances, digital VLSI design and verification continue to play a crucial role in driving innovation and enabling the development of sophisticated electronic systems.

A handwritten signature in black ink, appearing to be 'Praveen A', written over a horizontal line.

SIGNATURE OF THE STAFF

A handwritten signature in green ink, appearing to be 'Praveen A', written over a horizontal line.

A handwritten signature in black ink, appearing to be 'Praveen A', written over a horizontal line.

HOD - ECE



Bangalore Institute of Technology

K.R. Road, V.V.Puram, Bangalore-560004

Department of Electronics and Communication Engineering

(Accredited by NBA)

5-Day FDP on

*"Digital VLSI
Design and
Verification"*

23rd to 27th August 2021



Certificate of Participation

This is to certify that **Praveen A** of **K S Institute of Technology** has participated in 5-Day FDP on "Digital VLSI Design and Verification" organized by Department of ECE, Bangalore Institute of Technology in association with Entuple Technologies and IEEE-BIT CAS from 23rd to 27th August 2021.



Dr. Vijaya Prakash A M
Convener
Professor, Dept. of ECE

Dr. Hemanth Kumar A R
Professor & HOD
Dept. of ECE

Dr. M U Ashwath
Principal
BIT-Bangalore





KAMMAVARISANGHAM
K.S. INSTITUTE OF TECHNOLOGY
(APPROVED BY A.I.C.T. AFFILIATED TO VTU BELGAUM)

KSIT
K.S. INSTITUTE OF TECHNOLOGY

#14, RAGHUVANAHALLI, KANAKAPURAM MAIN ROAD, BANGALORE-560109

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

FDP REPORT

Faculty Name: **BHARGAVI ANANTH**

FDP Topic: **Research Trends in Bio-Medical Application**

Date and Place: **22/10/2021 to 26/10/2021 at BNMIT, Bangalore (ONLINE MODE)**

Resource Persons:

Dr. Shyam Vasudeva Rao, Founder and Director, Forus Health, Renalyx and Rx DHP, Technical Director for Maastricht University Medical Center, Netherlands

Dr. S. Y. Kulkarni, Additional Director & Professor (ECE), BNM Institute of Technology, Bangalore

Dr. Rajkumar Rajasekaran, Sr Associate Professor, School of Computer Science & Engineering, Vellore Institute of Technology, Vellore

Dr. Gowri Srinivasa, PESIT South Campus, Head-Center for Pattern Recognition.

The first day topic of FDP was "MAGNETIC RESONANCE IMAGING OF BRAIN FUNCTION". Functional magnetic resonance imaging or fMRI measures brain activity by detecting changes associated with blood flow. This technique relies on the fact that cerebral blood flow and neuron of activation are coupled. When an area of the brain is in use, blood flow to that region also increases. This topic was dealt in detail in this session.

The second day topic of FDP was "DIGITIZATION OF HEALTHCARE (EMR Innovations in Healthcare)". Telemedicine is the remote delivery of health care services, including exams and consultations, over the telecommunication infrastructure. Telemedicine provides healthcare providers to evaluate, diagnose and treat patients without need for an in person visit. This topic was dealt in detail in this session.

The third day topic of FDP was "BIO-CHIPS AND ITS APPLICATIONS". The diagnostic technology puts living cells into a tiny biochip smaller than the size of a dime that's then implanted into a patient. These living cells can detect biological changes within a patient's body and send feedback to the patient and doctor about problems or impending illness. This topic was dealt in detail in this session.

The fourth day topic of FDP was "DATA ANALYTICS IN BIOMEDICAL ENGINEERING AND HEALTHCARE". Using big data with a combination of large and complex data sets includes electronic medical records, social media, genomic information and digital body data from wireless health devices. This topic was dealt in detail in this session.

The fifth day topic of FDP was "Opportunities for Research and Computational tool building for Biomedical Engineering Applications". The 4P's of future healthcare which are Personalization, Prediction, Prevention, Participation was presented in this session. This was followed by valedictory.


Signature of the Faculty




Signature of HOD



Vijayam@bnmit.in

B. N. M. Institute of Technology



An Autonomous Institution under VTU. Approved by AICTE.
27th Cross, 12th Main, Banashankari 2nd Stage, Bengaluru - 560 070, INDIA
Ph: 91-80-26711780/81/82 E-mail: principal@bnmit.in, www.bnmit.org

Certificate


This is to certify that Dr./Mr./Ms./Mrs. Bhargavi Ananth ,
KSIT has attended five days
Faculty Development Program on "Research Trends in Biomedical Applications", Funded by
NewGen-IEDC, DST, Govt. of India, Organized by Department of Electronics and Communication
Engineering, from 22nd to 26th October 2021.


P. A. Vijaya
Dr. P A Vijaya
HOD ECE

Vijayashree L.
Dr. Vijayashree L.
Head NewGen IEDC

Krishnamurthy G. N.
Dr. Krishnamurthy G. N.
Principal

T. J. Rama Murthy
Prof. T. J. Rama Murthy
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34th Rank in All
India TIMES survey
2021, among top 100 Engineering
Institutions in India



K S Institute of Technology, Bengaluru – 109

Department of Electronics & Communication Engineering

Report on FDP titled "Machine Learning"

Date: 19th July 21 to 24th July 21 (1 week)

Through : Google Meet online Appliation.

Organized by: E & ICT Academy, IIT Kanpur: (A Joint Initiative of MeitY & IIT Kanpur)

Scope and Objectives:

This FDP focused on importance of machine learning in the current scenario. This FDP was organized for Research scholars, Faculties and working professionals. Research scholars, working professionals and faculties were benefited learning about different types of image and signal processing systems available in the market. During Day-1, introduction to machine learning was given. In day-2, supervised and unsupervised lerning techniques have been introduced. In day-3, classification techniques and their proper illustrations had been covered. Day-4 had been handson experience by learning new technological softwares like KERAS and Tensorflow. 5th and 6th day also covered with practical problem of machine learning.

Māpping of FDP with PO'S and PSO'S


Program	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1
FDP	2	2	2	1	1	-	-	-	-	1	-	2	2

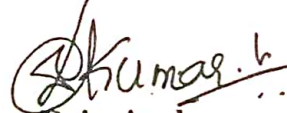
- PO1: Participants gained the knowledge of engineering fundamentals on Image processing and sensors..

- PO2: Participants can be able to analyze complex engineering problems.
- PO3: Participants can be able to apply the knowledge in using various programming tools like Keras and Tensorflow.
- PO4: Participants can identify complex problems for research work.
- PO5: Participants can utilize modern tools for research work (Keras and Tensorflow).
- PO10: Participants can communicate effectively by gaining knowledge.
- PO12: Participants can apply the basic knowledge in lifelong learning of new programming languages.
- PSO1: Participants are able to understand and apply programming tools to various fields of signal processing problems.

Report Submitted By


Mr. Dileep J


HOD
HEAD OF THE DEPARTMENT
Dept. of Electronics & Communication Engg
K.S. Institute of Technology
Bengaluru - 560 100


Principal
PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 100.



E & ICT Academy, IIT Kanpur

(A Joint Initiative of MeitY & IIT Kanpur)

Certificate

This is to certify that

DR. / MR. / MS. **DILEEP J**

has completed the **Faculty Development Program** on
Machine Learning

from 19th July 21 to 24th July 21 (1 week)

Prof. B. V. Phani

Prof. Amey Karkare

Date of Issue: 30-07-2021

System Identification No.: 46964-412233-d9b72867461579f7

Chief Investigators, E & ICT Academy, IIT Kanpur

FDP's by E&ICT Academy, IIT Kanpur are recognised as per CAS Guidelines in this regard. For more details visit ict.iitk.ac.in/fdp



K. S. INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

5 Day FDP on the theme “Inculcating Universal Human Values in Technical Education”

Date and Time of FDP: 28th March to 1st April 2022.

Organized by: All India Council for Technical Education (AICTE)

Through: Online .

Scope and Objectives: This workshop is about living with fulfilment in our practical day-to-day life. Education is expected to facilitate this aspiration by helping the student to develop a holistic world view as well as the practical skills for living with fulfilment, i.e., living in harmony as an individual as well as with family, society and the natural environment.

Day 1: Introduction for value education

Need for Value Education

Content of Value Education: The value of an entity is its participation in the larger order of which it is a part. The context is always the larger order. Value has to do with the participation of a unit in the larger order. E.g. a piece of chalk is a unit. The classroom is the larger order for this unit. The value of chalk is that it can be used to write on the blackboard for the desired functioning of the classroom.



Understanding Natural Acceptance – the basis for Right Understanding

Right understanding obtained through self-exploration can be recognised as follows:

- It is assuring
- It is satisfying
- It is universal

Self-exploration is a process of seeing the reality on our own right, by our own investigation,

observation and analysis. It is a process of dialogue between “what I am” and “what is naturally acceptable to me”. It includes verifying the proposals on the basis of natural acceptance (which is not the same as acceptance) and validating experientially in living.

Exploring the Meaning of Happiness and Prosperity

Happiness is to be in a state of harmony. The expanse of our living is at four levels (individual human being, family, society and nature/existence), and thus the program for continuity of happiness is to be in harmony at all these levels. Prosperity is the feeling of having more than required physical facility.

Day 2 : Understanding the Human Being (As Co-existence of Self and Body)

The Needs of the Self and the Body

The need of the Self is happiness (e.g. feeling of respect leading to happiness) while the need of the Body is physical facility (e.g. food). All the needs related to the Self are continuous in time while all the needs related to the Body are required for a limited time. This is one way we can differentiate between the need of the Self and the need of the Body.

The Activities of the Self and the Body

The Self has the activity of desire, thought and expectation which are continuous. On the other hand, any activity of the Body, like eating, walking, etc. is temporary in time.

The Response of the Self and the Body

The response of the Body is based on recognizing and fulfilling whereas the response of the Self is based on knowing, assuming, recognizing and fulfilling. The recognition and fulfilment of the Body is definite, while that of Self is determined by the activity of assuming. As assumption changes, the recognition and fulfilment by the Self also changes. The conduct of the human being basically depends upon the response of the Self, as all decisions are made by the Self. Only with the assumptions set right, i.e. assuming based on knowing (which is definite), can recognising and fulfilling be set right; and only then, the conduct can become definite.

Day 3: Understanding Harmony in the Family

Feeling of Relationship as the Basis for Harmony in the Family

The harmony in the family has primarily to do with the fulfilment of relationship between one human being and the other human being. In order to fulfil relationship, it is necessary to understand relationship.

Feelings (values) in relationship:

1. Trust (foundation value)
2. Respect
3. Affection
4. Care
5. Guidance
6. Reverence
7. Glory
8. Gratitude
9. Love (complete value)

Relationship already exists – we don't have to create it; rather we only have to recognise and fulfil it. The family is the basic unit of human-human interaction. The basic issue in family is that of relationship. In relationship, there are nine feelings (values) that can be clearly understood and lived with. There is harmony in the family, mutual happiness in the family, when we understand the feelings and ensure in our living.

Respect is right evaluation at the level of the Self. The complete content of respect is to see that the other is similar to me in terms of purpose, programme and potential; and we are complementary to each other in terms of competence. Over evaluation, under/otherwise evaluation and discrimination are disrespect.

The other feelings in relationship include affection, care, guidance, reverence, glory, gratitude and love. Love is the feeling of acceptance of all; it is the complete value. Justice is ensuring these feelings in oneself and expressing them to the other, leading to mutual happiness. Justice begins from family and extends to the world family, leading to undivided society.

Day 4: Understanding Harmony in the Society

Education is to develop right understanding of the harmony at all levels of being – from self to the entire existence (individual, family, society, and nature/existence). And Sanskar is to develop the basic acceptances of the harmony at various levels.

At the level of society, the human goal is right understanding and right feeling (happiness) in every individual, prosperity in every family, fearlessness (trust) in society and co-existence (mutual fulfilment) in nature/existence. This goal is fulfilled by human order, i.e. systems for education-sanskar, health-self regulation, production-work, justice-preservation and exchange-storage. These systems start with the family order, and are interconnected right up to world family order, leading to universal human order. The natural process of development of a child in an environment of relationship needs to be understood and fulfilled so that the child grows into a human being who can have the competence to participate in the universal human order.

Day 5 :Understanding Harmony in the Nature and Existence

Existence is co-existence, which is in the form of units submerged in space. Units are energised, they are self-organised and they recognise their relationship with other units and participate with them in a mutually fulfilling manner (except for human beings without right understanding).

Existence is co-existence, and the role of human being is to realise co-existence in the Self and live in co-existence in nature/existence, extending up to universal human order. In this way, the unfolding of the co-existence will be completed through human being – resulting into universal order.

Report Submitted By



Dr. Rekha N
Associate Professor
Department of ECE , KSIT



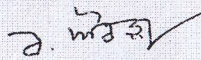
Dr. P N Sudha
Professor & Head
Department of ECE, KSIT



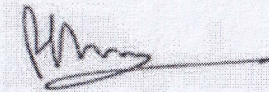
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
NELSON MANDELA MARG, VASANT KUNJ, NEW DELHI

Certificate of Participation

This is to certify that Dr. Rekha N from K.S.Institute of Technology, Bangalore has participated and successfully completed the 5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education(AICTE) from 28th March, 2022 to 1st April, 2022.



Dr. Rajneesh Arora
Chairman
National Coordination Committee for Induction Program



Prof. Rajive Kumar
Member Secretary, AICTE