

# **REPORT**

Five-day Faculty Development Programme

On

**“Outcome-Based Education: A Paradigm for Assessment & Accreditation**

organized by

Department of Computer Science and Engineering  
&  
Department of Information Technology

Under the aegis of IQAC & PAQIC, SKIT, Jaipur

24<sup>th</sup> August, 2021 to 28<sup>th</sup> August, 2021



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

# APPROVAL LETTER



Dr. S.L. Surana <sls@skit.ac.in>

## IOAC/PAQIC: FDP

1 message

Prof. Anil Chaudhary <hodit@skit.ac.in>

Wed, Jul 28, 2021 at 4:09 PM

To: "S. Surana" <sls@skit.ac.in>

Cc: rachna.meel@rediffmail.com, meel.jaipal@gmail.com, ramesh pachar <rameshpachar@rediffmail.com>

Dear Sir, enclosed is an abstract for conducting in-house fdp on account of IOAC/PAQIC for your perusal and approval: Abstract: The purpose of this workshop is to enhance the knowledge of Assessment and Attainment Tools for Outcome Based Education (OBE) among the faculty and peer groups. The implementation of such methods in the Teaching and Learning Process will provide continuous quality evaluation so that they can act as an important stakeholder in outcome-based teaching, assessment and evaluation.

Duration: 5 Days

Tentative Dates: 24 - 28 August 2021

Tentative Expenditure: 30,000/- (experts honorarium), Hence requested for approval, regards, anil

20,000/-

Recommended. Obtain financial sanction from the  
Management

S. L. Surana  
29/7/21

## POSTER



असतो मा सद्गमय



Five-Day Faculty Development Programme

on

*Outcome-Based Education: A Paradigm for Assessment & Accreditation*

**VIRTUAL MODE**

ORGANIZED BY:

*Department of Computer Science and Engineering (NBA Accredited) & Department of Information Technology (NBA Accredited)*

*Under the aegis of IQAC & PAQIC, SKIT, Jaipur*

24 - 28 AUGUST, 2021

SPECIAL SESSIONS BY INDUSTRY EXPERTS FROM IBM AND INFOSYS

Registration Link : <https://forms.gle/sGBrSGao3Fx1Y6bM7>

**E-CERTIFICATE ON SUCCESSFUL COMPLETION**



No Registration Fee



Last Date of Registration  
21 August, 2021



Contact : [fdpcs@skit.ac.in](mailto:fdpcs@skit.ac.in)



skitjaip



skitjaipurofficial



skit\_jaipur

\* Faculty Members from AICTE/UGC Approved Organizations/Institutes PAN India can participate.

# BROCHURE

## PATRONS

- Shri Raja Ram Meel, Patron, SKIT
- Shri Surja Ram Meel, Chairman, SKIT

## ADVISORS

- Shri Jaipal Meel, Director
- Prof. (Dr.) S. L. Surana, Director (Academics)
- Prof. (Dr.) Ramesh Kumar Pachar, Principal
- Ms. Rachana Meel, Registrar
- Prof. (Dr.) Anil Chaudhary, Coordinator IQAC & HOD-IT
- Prof. (Dr.) Mukesh Kumar Gupta, HOD-CSE
- Prof. (Dr.) Mukesh Kumar Arora, HOD-ECE
- Prof. (Dr.) Dheeraj Joshi, HOD-ME
- Prof. (Dr.) Dhanraj Chitara, HOD-EE
- Prof. (Dr.) D. K. Sharma, HOD, CE
- Prof. (Dr.) Amber Srivastava, Head-T&P Cell
- Prof. (Dr.) Rohit Mukherjee, Incharge-I Year
- Dr. Praveen Kumar Jain, Co-coordinator, IQAC
- Dr. Rishi Vyas, Co-coordinator IQAC

## CONVENERS

- |   |   |
|---|---|
| Dr. Pankaj Dadheech<br>Associate Professor<br>Dy. HOD-CSE | Mr. Mehul Mahrishi<br>Associate Professor<br>Dy. HOD-IT |
|---|---|

## COORDINATORS

- |  |  |
|--|--|
| Ms. Deepa Modi<br>Assistant Professor<br>CSE | Ms. Shamu Tripathi<br>Assistant Professor<br>CSE |
|--|--|

## ORGANIZING COMMITTEE

- Dr. S. R. Dogiwal, Associate Professor-IT
- Dr. Neha Janu, Associate Professor-CSE
- Mr. M. K. Beniwal, Associate Professor-CSE
- Ms. Nidhi Srivastava, Associate Professor-CSE
- Ms. Rashmi Dadhich, Assistant Professor-CSE
- Ms. Nikhar Bhatnagar, Assistant Professor-IT
- Ms. Priyanka Sharma, Assistant Professor-CSE
- Mr. Naveen Jain, Assistant Professor-IT
- Mr. Pankaj Jadwal, Assistant Professor-CSE

**CONTACT US**  
[fdpcs@skit.ac.in](mailto:fdpcs@skit.ac.in)

## REGISTRATION FORM

Registration link to join this FDP:  
<https://forms.gle/sGBrSGao3Fx1Y6bM7>

### Note:

- The FDP will be conducted through **online platform**.
- Participants can be faculty members from AICTE/UGC approved organizations/institutes **PAN India**.
- There is **no registration fee**.
- **Special sessions** by industry experts from IBM and Infosys on CMMI Specifications.
- The **certificates** will be issued to those participants who will attend the program with minimum 80% attendance and score overall 60% marks in the assessments/assignments conduct during the online FDP.
- Last date of registration is **21<sup>st</sup> August 2021**.

## ABOUT THE PROGRAMME

The purpose of this faculty development programme is to enhance the knowledge of Outcome Based Education (OBE) among the faculty and peer groups. The FDP will attract the speakers and policy makers in OBE and quality specifications from both Industry and Academia. This FDP is meant for faculties of engineering, sciences, mathematics, and humanities courses in technical and diploma institutes.

## EXPERTS/SPEAKERS

- Col. B. Venkat, Director, Faculty Development Cell, AICTE, India
- Prof. G. Varaprasad, CSE, B.M.S. College of Engineering, Bengaluru, Karnataka
- Ms. Shubha Gupta, Digital & Mobile Client Services and Excellence (CSE) Leader (CIC India), IBM
- Prof. M.K. Banerjee, Visiting Professor, Department of Metallurgical & Material Engineering MNIT, Jaipur
- Dr. S. Das Mandal, Advanced Technology Development Centre, IIT Kharagpur
- Ms. Kamaljeet Kaur, Lead, Education, Training and Assessment, Infosys
- Prof. Vineet Sahula, Professor-HAG, MNIT, Jaipur

## A Five-Day Faculty Development Programme on

### “Outcome-Based Education: A Paradigm for Assessment & Accreditation”

(24<sup>th</sup>-28<sup>th</sup> August 2021)

*Organized by:*

Department of Computer Science & Engineering  
(NBA Accredited)

&

Department of Information Technology  
(NBA Accredited)

*Under the aegis of IQAC & PAQIC, SKIT, Jaipur*



Swami Keshvanand Institute of  
Technology, Management & Gramothan  
Ramnagar, Jagatpura, Jaipur-302017

Email: [fdpcs@skit.ac.in](mailto:fdpcs@skit.ac.in)  
Phone: +91-141-3500300  
Website: [www.skit.ac.in](http://www.skit.ac.in)

## ABOUT JAIPUR



The world famous "PINK CITY", the capital of the Rajasthan state founded in 1727 AD by Sawai Jai Singh II is one of the most popular tourist destinations. It has a rich culture heritage and many important historical places viz. Amber Fort, Jaigarh Fort, Nahargarh Fort, City Palace, Albert Hall Museum, Jantar-Mantar, Govind-Dev Ji Temple, and Birla Mandir. Jaipur is also famous for its handloom & handicraft, and proves a heaven for shopping and enjoyment. Jaipur is also a home of undergraduate and post-graduate education in Rajasthan with numerous eminent universities and institutes.

## ABOUT THE INSTITUTION



Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT) is a selective comprehensive institution offering undergraduate and postgraduate programmes in Engineering and Management. The institute was established in the year 2000. During all the past years SKIT has emerged as a 'Premier Centre' of technical education not only in Rajasthan but also in northern India. The institute is ranked "No. 1 Engineering College in Rajasthan within Category-A" for the last four consecutive academic years (i.e., 2017-18, 2018-19, 2019-20 & 2020-21) by Rajasthan Technical University, Kota. The institute is also accredited & re-accredited by NBA (Five Engineering Branches since 2010).

## COMPUTER SCIENCE & ENGINEERING & INFORMATION TECHNOLOGY



The departments are NBA accredited and offers undergraduate programs in CSE & IT, postgraduate program in CSE and Ph.D. in CSE. The major areas of research are Big Data Analytics, Cloud Computing & Virtualization, Artificial Intelligence, Security, Compilers & Programming Languages, Computer Architecture, Bioinformatics and Theoretical Computer Science. Both departments have various research laboratories with the state-of-the-art computing facilities. The department is also recognized as a "Center of Excellence in IoT" by Rajasthan Technical University, Kota.

## PROGRAMME OBJECTIVES

1. Create awareness among the faculties and their peer groups about the concepts of Outcome Based Education (OBE) and its growing importance in present educational scenario.
2. Understand the implementation process of Outcome Based Education.
3. Educate the participants with the various contemporary academic delivery methods.
4. Develop measures that can be used to assess the quality of education provided through the OBE model with a special emphasis on technical education.
5. Understand the implementation of OBE in NBA/NAAC.

## EXPECTED OUTCOMES

1. The participants will understand the relevance of Outcome Based Education, its role in NBA/NAAC, usefulness of accreditation and various processes associated with accreditation.
2. The participants will understand the teaching pedagogy and effective implementation of every aspect of pedagogy.
3. The participants will learn to formulate vision, mission, PEOs, PSOs of the department and methods of attaining PEOs and PSOs.
4. The participants will also learn to design course outcomes.
5. The Participants of the FDP will become more familiar with assessment process using OBE.

## TENTATIVE TOPICS TO BE COVERED

1. Process of developing vision & mission of the Institute/Department.
2. Formulation of course outcomes with blooms taxonomy.
3. Writing PEOs and PSOs for UG programs.
4. Mapping of COs & POs, Importance, Rubrics/formats & examples for theory course, Laboratory course.
5. Best practices to continuously improve the quality of programs.
6. Teaching and Learning process
7. Contemporary Pedagogical tools for effective course delivery.
8. Process of curriculum development.
9. Methodology and benefits pre-qualifiers for the accreditation process.
10. File preparation and document management for Self-Assessment Report (SAR) and Self Study Report (SSR).

# SCHEDULE OF THE FDP



**Swami Keshvanand Institute of Technology,  
Management & Gramothan, Jaipur**  
Department of Computer Science and Engineering (NBA Accredited)  
&  
Department of Information Technology (NBA Accredited)  
Under the aegis of IQAC & PAQIC, SKIT, Jaipur  
Organizes  
Five-Day Faculty Development Programme



**“Outcome-Based Education: A Paradigm for Assessment & Accreditation”  
(24<sup>th</sup>-28<sup>th</sup> August 2021)**

## Tentative Schedule

DATE	TIME	SESSION
<b>DAY 1</b>		
24.08.2021	09:40 AM-10:00 AM	Inaugural Ceremony
24.08.2021	10:00 AM-11:00 AM	Keynote address by <b>Col. B. Venkat</b> , Director FDC, AICTE, New-Delhi, India <b>WebEx link:</b> <a href="https://skitjaipur.webex.com/skitjaipur/onstage/g.php?MTID=e47ca5d282bb4ca1dd04c8bd4794d919a">https://skitjaipur.webex.com/skitjaipur/onstage/g.php?MTID=e47ca5d282bb4ca1dd04c8bd4794d919a</a> Password: 1234 (if required)
24.08.2021	11:30 AM-01:30 PM	<b>Ms. Shubha Gupta</b> Digital & Mobile Client Services and Excellence (CSE) Leader (CIC India), IBM, India <b>“QUALITY MANAGEMENT SYSTEMS IN IT INDUSTRY”</b> <b>WebEx link:</b> <a href="https://skitjaipur.webex.com/skitjaipur/onstage/g.php?MTID=e47ca5d282bb4ca1dd04c8bd4794d919a">https://skitjaipur.webex.com/skitjaipur/onstage/g.php?MTID=e47ca5d282bb4ca1dd04c8bd4794d919a</a> Password: 1234 (if required)
<b>DAY 2</b>		
25.08.2021	10:00 AM-12:00 Noon	<b>Dr. G. Varapasad</b> Professor, Department of CSE, B.M.S. College of Engineering, Bangalore, India <b>“ATTAINMENT PROCESS OF COURSE OUTCOMES &amp; PROGRAM OUTCOMES/PROGRAM SPECIFIC OUTCOMES”</b> <b>WebEx link:</b> <a href="https://skitjaipur.webex.com/skitjaipur/onstage/g.php?MTID=e2eb916e8fe0d05012c3cbf3ee130e13f">https://skitjaipur.webex.com/skitjaipur/onstage/g.php?MTID=e2eb916e8fe0d05012c3cbf3ee130e13f</a> Password: 1234 (if required)
25.08.2021	01:00 PM- 03:00 PM	
<b>DAY 3</b>		
26.08.2021	10:00 AM-12:00 Noon	<b>Prof. Vineet Sahula</b> Professor-HAG Department of Electronics & Communication Engineering, MNIT, Jaipur <b>“FORMULATION OF VISION, MISSION AND COURSE OUTCOMES”</b> <b>WebEx link:</b> <a href="https://skitjaipur.webex.com/skitjaipur/onstage/g.php?MTID=eb63cad2766bbf699e94eb889b3e9df24">https://skitjaipur.webex.com/skitjaipur/onstage/g.php?MTID=eb63cad2766bbf699e94eb889b3e9df24</a> Password: 1234 (if required)
26.08.2021	01:00 PM- 03:00 PM	<b>Dr. Shyamal Kumar Das Mandal</b> Assistant Professor, Centre for Educational Technology, IIT Kharagpur <b>“OUTCOME BASED EDUCATION FOR ONLINE TEACHING”</b> <b>WebEx link:</b> <a href="https://skitjaipur.webex.com/skitjaipur/onstage/g.php?MTID=ed1751ecd8ebb0aa87aleea419bc69a41">https://skitjaipur.webex.com/skitjaipur/onstage/g.php?MTID=ed1751ecd8ebb0aa87aleea419bc69a41</a> Password: 1234 (if required)

<b>DAY 4</b>		
27.08.2021	10:00 AM-12:00 Noon	<b>Prof. M. K. Banerjee</b> Ex-Professor, MNIT, Jaipur <b>“TEACHERS' PERSPECTIVE ON OUTCOME BASED EDUCATION”</b> <b>WebEx link:</b> <a href="https://skitjaipur.webex.com/skitjaipur/onstage/g.php?MTID=ef9bc5dfe9176e4ae1c858b220d787d72">https://skitjaipur.webex.com/skitjaipur/onstage/g.php?MTID=ef9bc5dfe9176e4ae1c858b220d787d72</a> Password: 1234 (if required)
27.08.2021	01:00 PM- 03:00 PM	
<b>DAY 5</b>		
28.08.2021	10:00 AM- 12:00 NOON	<b>Ms. Sanjita Bohidar</b> Principal - Quality Programs, Infosys Technologies <b>“QUALITY AT INFOSYS”</b> <b>WebEx link:</b> <a href="https://skitjaipur.webex.com/skitjaipur/onstage/g.php?MTID=ed1751ecd8ebb0aa87a1eea419bc69a41">https://skitjaipur.webex.com/skitjaipur/onstage/g.php?MTID=ed1751ecd8ebb0aa87a1eea419bc69a41</a> Password: 1234 (if required)
28.08.2021	Just after the session	Valedictory Ceremony and Final Assessment <b>WebEx link:</b> <a href="https://skitjaipur.webex.com/skitjaipur/onstage/g.php?MTID=ed1751ecd8ebb0aa87a1eea419bc69a41">https://skitjaipur.webex.com/skitjaipur/onstage/g.php?MTID=ed1751ecd8ebb0aa87a1eea419bc69a41</a> Password: 1234 (if required)

# INAUGURAL CEREMONY



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



Department of Computer Science and Engineering (NBA Accredited)

&

Department of Information Technology (NBA Accredited)

Under the aegis of IQAC & PAQIC, SKIT, Jaipur

Organizes

Five-Day Faculty Development Programme

on

**“Outcome-Based Education: A Paradigm for Assessment & Accreditation”**

## INAUGURAL CEREMONY

**(24<sup>th</sup> August 2021, 09:40 AM onwards)**

### Minute-to-Minute Program

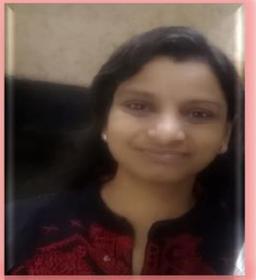
Event Description	Duration
Program Initiation	09:40 AM-09:43 AM
Welcome Address Shri Jaipal Meel Director, SKIT	09:43 AM - 09:50 AM
About FDP Prof. Anil Chaudhary HOD-IT & Head (PAQIC), Coordinator (IQAC), SKIT	09:50 AM – 10:00 AM
Chief Guest & Keynote Talk Col. B. Venkat Director, FDC, AICTE, India	10:00 AM – 10:30 AM
Vote of Thanks Prof. Mukesh Kumar Gupta HOD-CSE, SKIT	10:30 AM – 10:35 AM
Group Photo	10:35 AM

Link for Inaugural Ceremony:

<https://skitjaipur.webex.com/skitjaipur/onstage/g.php?MTID=e47ca5d282bb4ca1dd04c8bd4794d010a>

Password: 1234

Ms. Shubha Gupta, Digital & Mobile Client Services and Excellence (CSE) Leader (CIC India), IBM, India Digital & Mobile Client Services and Excellence (CSE) Leader (CIC India), IBM, India



Mobile No. 7045686975  
Email ID: shubhagu@in.ibm.com

Ms. Shubha has total 22 years of work experience and she is associated with for 14 Years. She is currently working as Digital & Mobile CSE Leader for CIC India, Program Manager for Global Process, Methods n tools (Japan ,China and other CICs) and CMMI Process Consultant , Maybank IBM Malaysia. Prior to IBM she has worked with Aricent , HCL technologies as Process Consultant.

Dr. G. Varaprasad, Professor, Department of CSE, B.M.S. College of Engineering, Bangalore, India



Mobile No. 9449612596  
Email ID: varaprasad.cse@bmsce.ac.in

Dr. G. Varaprasad obtained B.Tech (CSE) from Sri Venkateswara University, Tirupati in 1999, M.Tech (CSE) from Visvesvaraya Technological University, Belgaum in 2001 and then Ph.D (CSE) from Anna University, Chennai in 2004. In 2004, he joined PET Lab, Department of Electrical Communication Engineering, Indian Institute of Science, Bangalore as a Postdoctoral fellow under guidance of Dr.P.Venkataram. His Ph.D work supported by University Grants Commission, New Delhi. He worked as Junior Research Fellow at GCE, Anna University under Dr.RSD.Wahida Banu. Since 2005, he has been with the B.M.S.College of Engineering, Bangalore in Department of Computer Science & Engineering. In his credit, he has 65 journal papers, 54 conference papers, holds 23 patents/copyrights (and 5 applied), has authored 4 textbooks and 13 awards. He executed 9 external funded R&D projects, 3 consultancy projects worth 1.3 Crores. Currently, he has been executing 1 consultancy project. He has been actively involved as an expert member in various committees such as AICTE, NBA, DRDO, ADA, UPSC, DST, TCS.

Prof. Vineet Sahula, Professor-HAG, Department of Electronics & Communication Engineering, MNIT, Jaipur



Mobile No. :0141-2713336  
Email ID: vsahula.ece @ mnit.ac.in

**Qualifications:**

Ph.D.(EE VLSI, IIT Delhi 2001) from IIT Delhi, 2001  
M.Tech.(Int. EC & Ckts, IEC IITD 1989) from IIT Delhi, 1989  
B.E.(Electronics, MNIT 1987) from MNIT Jaipur, 1987

**Research Interests**

Resilience, Trust & Security in Hardware, EDA for VLSI/Embedded-Systems, Cognitive Architectures.

**Brief Research Profile**

- Working with group of research-scholars/faculty members on various aspects of Trust & Security in Chips & Embedded Systems; Modeling of Cognition, cognitive algorithms/architectures;
- Member of faculty group who visited Canadian Universities- Saskatchewan, Toronto Calgary University, for academic & research collaboration, 14th -21st Sept. 2013
- Member of faculty group who visited North Dakota State University, Fargo for academic & research collaboration, 23rd -27th March 2009
- Visiting faculty, Microelectronics programme at Asian Institute of Technology Thailand, Autumn 2004

Dr. Shyamal Kumar Das Mandal, Assistant Professor, Centre for Educational Technology, IIT Kharagpur



Mobile No. 9432091556  
Email ID: sdasmandal@cet.iitkgp.ac.in

**Educational Qualification**

Ph. D. in Engineering, March 2007 Department: Electronics and Telecommunication Engineering, Jadavpur University

BE (Hon's) in Electronics and Telecommunication Engineering, Jadavpur University, 1998

**Awards & Honors**

- National award of Young IT Professional in 2003, Awarded by Computer Society of India (CSI)
- National award of "TI DSP Challenge" in 1997, Awarded by Texas Instruments (TI), India
- Fellow of Japan Society for the Promotion of Science(2010)

**Research Areas**

Outcome based Curriculum development with 21st century pedagogy  
Speech based technology development for e-learning  
Accent Conversion

Prof. M. K. Banerjee, Ex-Professor, MNIT, Jaipur



Mobile No. 9549654564  
Email ID: mkbanerjee@hotmail.com

Prof. M.K. Banerjee graduated from University of Calcutta and did his masters and PhD from the same university. He has more than 40 years of teaching experience in many reputed institutions. He served in industries for six years. Prof. Banerjee worked as professor and Head of Metallurgical and Materials Engineering till 2000. He was the Secretary of Science and Technology, Government of west Bengal from 2000-2004. Prof. Banerjee acted as Directors of National Institute of Secondary Steel Technology, National Institute Foundry and Forge Technology, Birla Institute of Technology Director. He had been the Ministry of Steel Chair Professor at MNIT Jaipur from 2012 till 2019. Nominated by AICTE he is acting a 'Margdarshak of various Institutes in India.

He has more than 170 research publications in reputed journals. He authored a number of book chapters and Reference modules tasked by Elsevier Inc. He is a regular reviewer of a number of reputed International Journals published by Elsevier, Springer ASM etc. He has collaboration with number foreign universities from Taiwan, China, Bangladesh, Australia, Portugal, Austria, USA and UK. He delivered a large number of invited talks in various international conferences held in various countries. Prof. Banerjee's research interest are energy material, computational materials engineering, advanced materials design.

Prof. Banerjee has supervised fourteen PhD students and seven PhD students are working with him. He acted as Chief Investigator of more than 25 sponsored research project and in all has handled more than 40 research projects in various areas of technology and materials development. He holds a couple of patents. He has been the Guest Editor of reputed ASM journal. His expertise in technical education is very well known.

Ms. Sanjita Bohidar, Principal - Quality Programs, Infosys Technologies



Mobile No. 9739987157

Email ID:sanjita\_b@infosys.com

She has 24 years of experience at Infosys. She has expertise in Delivery Management of all aspects of software projects in the Global Delivery Model for Clients in the US & Europe.

She has worked onsite in London, Paris and Boston for Clients in Banking & Financial Services, Retail, Hi-Tech & Manufacturing verticals.

She has effectively managed large change initiatives in the organization for adoption of Agile methodologies. She also successfully led an org initiative to create Agile Certification for multiple Delivery roles.

Her interest areas are Integration Testing, CMMI, and Agile Methodologies.

## LIST OF PARTICIPANTS

Sr. No.	Name	Institute	Email
1	Mrs.A Nivetha	Muthayammal engineering college (Autonomous), Rasipuram	nivethaa.sritece@gmail.com
2	Mr.ABHISHEK DWIVEDI	Bengal College of Engineering and Technology, Durgapur-713212	dwivediabhi@gmail.com
3	Mr.ADIL KAMAL	Mapping Minds Venture	kamaladil@gmail.com
4	Mr.AJIT KUMAR SETHI	Vikram Deb Autonomous college, jeypore	ajitkumar.cs55@gmail.com
5	Ms.AKANKSHA PRASAD	INDERPRASTHA ENGINEERING COLLEGE	akansha.prasad@ipecc.org.in
6	Dr.Akash Agarwal	Rajkiya Engineering College, Kannauj	dr.akashagl@gmail.com
7	Mr.Akhil	Vaish college of engineering	akhilbhardwaj1989@gmail.com
8	Mr.Akhilesh Deep Arya	Techno India NJR Institute of Technology	akhilesharya09@gmail.com
9	Akshada Kulkarni	MIT Arts Commerce and Science College	apkulkarni@mitacsc.ac.in
10	Ms.Akshita Choudhary	UCET, Bikaner Technical University	achoudhary85@gmail.com
11	Mrs.Alagusundari Narayanan	Avinashilingam Institute for Home Science and Higher Education	alagusundari_pt@avinuty.ac.in
12	Mrs.Alka Srivastava	Atharva college of engineering	alka.rkgit@gmail.com
13	Mr.AMAL THOMAS	Al-Azhar College Of Engineering And Technology	amalthomask888@gmail.com
14	Mr.AMIT KUMAR	INDIRA GANDHI INSTITUTE OF PHYSICAL EDUCATION & SPORTS SCIENCES	amittyagi649@gmail.com
15	Mr.Amit Kumar Kaushik	Vaish College of Engineering Rohtak	avijay00000@gmail.com
16	Mr.Amit Sharma	Arya College Of Engineering & IT	amitjaipur@gmail.com
17	Mrs.Anita Panwar	University College of Engineering & Technology, Bikaner	anitapanwar15@yahoo.co.in
18	Dr.Anjali Saxena	ABESIT	anjali.saxena@abesit.in
19	Mrs.Anju Rajput	Jaipur Engineering College and Research Centre	anjurajput.ece@jecrc.ac.in
20	Dr.Anuradha SG Suresh	RYMEC	anuradhasuresh13@rymec.in
21	Mr.Anurag Bhatnagar	Manipal University Jaipur	ab.ajmer@gmail.com
22	Mr.Arjun Gupta	Vaish College of Engineering	arjunsrgupta@gmail.com
23	Ms.Arpita Johri	ABES Engineering College	arpitajohri@gmail.com
24	Ms.Arpita Joshi	Soban Singh Jeena University	arpitajos@gmail.com
25	Mr.Ashutosh Kumar Rao	Institute of Technology and Management	ashutoshrao7@gmail.com
26	Mr.ASHWANI KUMAR KAUSHIK	GLOBAL RESEARCH INSTITUTE OF MANAGEMENT & TECHNOLOGY	kaushik1978@grimtradaur.ac.in

27	Mr.Asif Sayeed Khan	Govt. Mahila Engineering College, Ajmer	asif@gweca.ac.in
28	Mrs.B.Renukadevi	Sri Sai Ram Engineering College	renukadevi.it@sairam.edu.in
29	Mr.Bakshish Singh	RKGIT, Ghaziabad	singh.bakshish@gmail.com
30	Mr.Balram Swami	KDGD Mittal Girls College, Sardarshahar	mbswami8@gmail.com
31	Mr.BESCHI I S	St. Joseph's College (Arts & Science)	isbeschi@gmail.com
32	Ms.Bhumika Singh	SS Polytechnic College Udaipur	bhumika.bs81@gmail.com
33	Mr.BIAZ.S.LAL	AL-AZHAR COLLEGE OF ENGINEERING AND TECHNOLOGY	BIAZSLAL@GMAIL.COM
34	Mr.Borkar Bharat Sampatrao	Amrutvahini College of Engineering	bharat.borkar@avcoe.org
35	Mr.BRIJESH KUMAR MISHRA	HLM GROUP OF INSTITUTIONS, GHAZIABAD (U.P.)	bkmishra_engg@yahoo.com
36	Mrs.C. Pushpanjali	SRM Dental College	anjaliashok2429@gmail.com
37	Dr.C. Zozimus Divya Lobo	St. Mary's College(Autonomous), Thoothukudi	divyaraja812012@gmail.com
38	Ms.C.GOMATHI	Sri Parasakthi College for Women,Courtallam	gomathic@sriparasakthicollege.edu.in
39	Dr.Deepak Kumar	L.S.M. Govt. P.G. College, Pithoragarh, Uttarakhand	dk.botany2020@gmail.com
40	Mrs.Deepali Singhal	Raj Kumar Goel Institute of Technology and Management, Ghaziabad	deepalisinghal@rkgitw.edu.in
41	Mrs.Deepthi M B	Vivekananda College of Engineering and Technology	deepthipradeep2204@gmail.com
42	Dr.Deepti Thakral	Apeejay Styra University	deepti.thakral@asu.apeejay.edu
43	Dr.DEVENDRA KUMAR SINGHAL	ACEIT, Jaipur	devendraggc@gmail.com
44	Mr.Dharmendra Kumar	Anand International College of Engineering, Jaipur	dharmendra.kumar@anandice.ac.in
45	Mr.DHAYANITHI A	Sri Sairam Engineering College	dhayanidhi.tap@sairam.edu.in
46	Mr.DINESH KUMAR KHUNTETA	ENGINEERING COLLEGE AJMER	dkkhunteta@ecajmer.ac.in
47	Mr.DINESH SWAMI	Rajasthan Institute of Engineering and Technology ,Jaipur	dkswami2020@gmail.com
48	Dr.Gajendra Singh Rajawat	Poornima College of Engineering	gajendra881@gmail.com
49	Dr.Meenakshi Sharma	Mangalmay Institute of Management and Technology	directorpgdm2016@gmail.com
50	Dr.NEELESH JAIN	SIRT BHOPAL	neeleshcmc@gmail.com
51	Dr.Pragya Priyadarshini Harsha	AMERC (Analytiqa Management and Educational Research Consultancy)	pragyapharsha@gmail.com
52	Dr.Prashant Sharma	SS College of Engineering Udaipur	psharma1807@gmail.com
53	Dr.Chetana Prakash	Bapuji Institute of Engineering and Technology	chetana.p.m@gmail.com
54	Dr.Deepti Katiyar	KIET School of Pharmacy, KIET Group of Institutions, Ghaziabad	deepti.katiyar@kiet.edu

55	Dr.Dushyantsinh B. Rathod	SANKALCHAND PATEL COLLEGE OF ENGINEERING	Dushyantsinh.Rathod@gmail.com
56	Dr.Manju Kaushik	Amity University Rajasthan, Jaipur	mkaushik@jpr.amity.edu
57	Dr.NISHA SINGH	ABES INSTITUTE OF TECHNOLOGY	nisha.singh@abesit.in
58	Dr.Omprakash Sikhwal	Poornima Institute of Engineering and Technology	opsikhwal@gmail.com
59	Dr.PAYAL BANSAL	Poornima College of Engineering, Jaipur Rajasthan	<a href="mailto:payaljjidalpayal@gmail.com">payaljjidalpayal@gmail.com</a>
60	Dr.Prithviraj Pandurang Patil	DMCAET MKVP Rajmachi karad Maharashtra	prithviraj.patil97@gmail.com
61	Dr.Priya Advani	Women Engineering College, Ajmer	priyaadvani@gweca.ac.in
62	Dr.Rohit Mittal	Arya College of Engineering and IT	rohit18mittal@yahoo.com
63	Dr.Tanusri Dey	Haldia Institute of Technology	tanusriphyshit@gmail.com
64	Dr.V. Nirmala	Sri Krishna Arts and Science college	nirmalastat5@gmail.com
65	Dr.ADARSH N GOKUL	JYOTHI ENGINEERING COLLEGE	dr.adarsh@jecc.ac.in
66	Dr.DHANAMANJURI LOUREMBAM	D.M.college of Arts (DHANAMANJURI UNIVERSITY)	manju.lourembam@gmail.com
67	Dr.Harwinder kaur	Rimt University	harwinderkaur808@gmail.com
68	Dr.Kanchan Dewal.	G H Raisoni School of Business Management	dewal.kanchan@gmail.com
69	Dr.Manisha Mathur	S.S Jain Subodh P.G(autonomous)College,Jaipur	sahaymanisha1@gmail.com
70	Dr.R.Sundarrajan	Kalasalingam Academy of Research and Education	r.sundarrajan@klu.ac.in
71	Dr.Shikha Sahay	New Rajasthan PG Girls College	shikhajjnsahay@gmail.com
72	Dr.V.SIVAKUMAR	Dayananda Sagar Academy of Technology and Management	Sivcse45@gmail.com
73	Dr.V.V.Gomathi	KG College Of Arts and Science	vv.gomathi@gmail.com
74	Mr.Dushyant Kaushik	Vaish college of engineering	dushyant04.kaushik@gmail.com
75	Dr.Elangbam Priyobrata Singh	DM College of Arts, Dhamanjuri University, Imphal	epriyobrata@gmail.com
76	Dr.G. Muneeswari	VIT AP University	muneeswari.g@vitap.ac.in
77	Dr.G.UMA MAHESWARI	Siva Sivani Institute of Management	dr.maheswariumag@gmail.com
78	Mrs.Gagandeep Kaur	University college of engineering and technology, Bikaner	gagandeep.1113@gmail.com
79	Mr.Gaurav Bajpai	PRANVEER SINGH INSTITUTE OF TECHNOLOGY KANPUR	er.gauravbajpai@gmail.com
80	Mr.GIRI PRAKASH R	RAO BAHADUR Y MAHABALESWAPPA ENGINEERING COLLEGE	grymec@gmail.com
81	Mr.Gyanendra Kumar	Raj Kumar Goel Institute of Technology and Management, Ghaziabad	maurya.gyanendra@gmail.com
82	Dr.Harendra Pal Singh Chauhan	Bhagwati institute of technology and science	harendramba@gmail.com

83	Mr.Harshat goyal	Ludhiana group of colleges , Chaukiman	goyalharshat11@gmail.com
84	Dr.HEMANT KAUSHIK	Arya Institute of Engineering & Technology, Jaipur	hemantkkaushik@gmail.com
85	Mr.Hrish kumar sharma	JECRC Jaipur	sharma.hk92@gmail.com
86	Dr.HUDSON ARUL VETHAMANIKAM G	Ayya Nadar Janaki Ammal College	hudsonsukisam@gmail.com
87	Mr.Inderjit Singh	GNA University	indersaini19@gmail.com
88	Mrs.Indu Bala	Sanatan dharma college	verma.indu90@gmail.com
89	Dr.JITENDER THADANI	S P C GOVERNMENT COLLEGE AJMER	jitenderthadani27@gmail.com
90	Dr.Joshila Grace L.K	Sathyabama Institute of Science and Technology	joshilagraceyebin@gmail.com
91	Ms.JUVERIA	COMM-IT CAREER ACADEMY (Affiliated to GGSIPU)	juveriakhan88@gmail.com
92	Ms.Jyoti	Vaish college of engineering , Rohtak, Haryana	legendjyoti@gmail.com
93	Mr.K.Swaminathan	Perunthalaivar kamarajar Institute of engineering and technology	snathank@yahoo.com
94	Mrs.Kamalini Dasgupta	Gokhale Memorial Girls College	kamalindasgupta@gmail.com
95	Mrs.Kanchan Lata Gupta	IET, Lucknow	kanchanlatagupta@gmail.com
96	Mrs.Kanchan Suraj Artani	G H Raison School of Business Management	kanchan.artani@gmail.com
97	Mrs.KANIKA PASRIJA	JAGANNATH UNIVERSITY, Delhi NCR	kpasrija@gmail.com
98	Mr.Kaushal Gupta	ABES Institute of Technology, Ghaziabad	kaushal.gupta@abesit.in
99	Mrs.KAVIYARASI R	Nazareth College of Arts and Science	kavithasridhar.chennai@gmail.com
100	Ms.KAVYA DC	R R Institute of Management Studies	kavyadc22@gmail.com
101	Dr.Kiran Deep Singh	Chandigarh University, Punjab	kdkirandeep@gmail.com
102	Ms.KRISHNA KUMAR	Galgotias College of Engineering and Technology, Greater Noida	krishna.kumar1051@galgotiacollege.edu
103	Dr.Krishna Kumar	Gopalan College of Engineering and Management	kk.gcem@gmail.com
104	Dr.L.Sivagami	Sriram Engineering College	sivateju278@gmail.com
105	Mr.M. Vaithyanathan	Sri Sairam Engineering College	vaithy.tap@sairam.edu.in
106	Dr.M.GURU VIMAL KUMAR	Bannari Amman Institute of Technology	guruvimal22@gmail.com
107	Ms.M.Sriharini	Sengamala Thayar Educational Trust Women's College	sriharinidass@gmail.com
108	Mr.Madhav sharma	VIT Jaipur	madhavsharma36@yahoo.co.in
109	Dr.Mahendra Lalwani	UD, RTU Kota	mlalwani@rtu.ac.in
110	Mr.Mahendra Singh Panwar	CIITM	panwarpanwar80@gmail.com

111	Mrs.MalathiEswaran	Kongu Engineering college	malathieswaran@gmail.com
112	Dr.Mamta Garg	Govt Polytechnic College for Girls Jalandhar	mamta2050@yahoo.co.in
113	Dr.Maninder Singh Nehra	Govt. Engg. College Bikaner	maninder4unehra@yahoo.com
114	Mr.Manish Kumar Singh	ABES ENGINEERING COLLEGE	manish.singh@abes.ac.in
115	Mr.Mankeshva Saini	Government Engineering College Jhalawar	mankeshvasaini@gmail.com
116	Ms.Meenu Sharma	Freelancer	coachmeenu@gmail.com
117	Dr.Misha mittal	Mm engg college	mittalmisha14@gmail.com
118	Mr.Mohabbat Khan Mohsin	Nangarhar University	mohsinmohabbat@gmail.com
119	Mr.Mohammad Fahim Azizi	Computer Science Faculty, Nangarhar University.	mfahimazizi@gmail.com
120	Dr.Mohd Gulman Siddiqui	Banasthali University, Rajasthan	mohdgulman@gmail.com
121	Ms.Monika Gulati	Maharishi Markandeshwar (deemed to be) University	monika.gulati@mmumullana.org
122	Ms.Ms.Mamta Guglani	S.D.COLLEGE	meenuarora211@gmail.com
123	Dr.Mukesh Kumar	SHUATS	mukesh.kumar@shiats.edu.in
124	Mr.MUKUNDA B.G	Indian Academy Degree College- Autonomous	bgmukunda@gmail.com
125	Nanda Kumar R B	MIT Mysore	nandakumarrb_cse@mitmysore.in
126	Mr.NARESH KUMAR	GOVERNMENT SPMR COLLEGE OF COMMERCE JAMMU	nareshnsa@gmail.com
127	Mrs.Narmatha K	SRM Institute of Science and technology, ramapuram	narmath@srmist.edu.in
128	Mr.NASEER AHMAD CHARDHIWAL	Nangarhar University Computer science faculty	chardhiwal.naseer2018@gmail.com
129	Ms.Neeraj Choudhary	UCET, Bikaner	neerajchoudhary@cet-gov.ac.in
130	Ms.Nidhi Agarwal	Krishna institute of engineering and technology	nidhiagarwal82@gmail.com
131	Mrs.Nidhi Garg	RKGITM, Ghaziabad	nidhigarg@rkgitw.edu.in
132	Mr.Nikhil Jain	Govt. Women Engg. College Ajmer	nikhiljain@gweca.ac.in
133	Dr.Nilam Choudhary	JECRC	neelamvit@gmail.com
134	Mr.NIRMAL KUMAR AGARWAL	JSS Academy of Technical Education, Noida	nirmalkragarwal.eed@jssaten.ac.in
135	Mr.Nishit Jain	Techno India NJR Institute of Technology Udaipur	jainn30@gmail.com
136	Dr.P.ANANTHI	Kongu Engineering College, Perundurai	ananthiparth@gmail.com
137	Mrs.P.Sudarmani	Sri Vasavi College (SFW),Erode	sudarmani087@gmail.com
138	Mr.Pankaj Krishnath Jadhav	A P Shah Institute of Technology, Thane	pkjadhav@apsit.edu.in

139	Dr.Pankaj Kumar	Noida Institute of Engineering and Technology, Greater Noida	unpankaj@gmail.com
140	Mr.Partha Sarathi Padhy	Roland Institute of Technology Berhampur	partha.padhy@gmail.com
141	Dr.PARVEEN KAKKAR	DAVIET, JALANDHAR	drparveenkumar331@gmail.com
142	Mr.Parveen Rathi	Vaish college of engineering	Parveenrathivce@gmail.com
143	Mr.Piyush Pant	KIET Group of Institutions, Delhi-NCR, Ghaziabad	piyush.pant@kiet.edu
144	Mr.Piyush Sharma	Arya College of Engineering and Information Technology, Jaipur	piyush9.sharma@gmail.com
145	Mrs.Pooja Bhardwaj	Engineering College Bikaner	pooja.smec@gmail.com
146	Dr.Pooja Goel	Mangalmy Institute of Management and Technology, Greater Noida	poojagoel13@gmail.com
147	Mr.PRAMOD KUMAR PM	Vivekananda college of engineering and technology, Puttur	pramodkumar24a@gmail.com
148	Dr.Praveen Gupta	PIET	praveen2gupta@gmail.com
149	Dr.PREMCHAND NARWARE	Government Polytechnic College Hoshangabad MP	prem.narware@gmail.com
150	Mr.Pritish Raj Shukla	Bansal Institute of Engineering and Technology	pritish.r.shukla@gmail.com
151	Mrs.PRIYANKA .D. STEPHEN	SHUATS	priyanka.kumar@shiats.edu.in
152	PROF. DR. BRIJESH S	SRI BALAJI UNIVERSITY, PUNE	brij.jesh2002@gmail.com
153	Ms.R. Tamilarasi	SRM IST	tamil.ramamoorthy@gmail.com
154	Ms.Rachana Khandelwal	YIT COLLEGE Jaipur	rdheesharma88@gmail.com
155	Mr.Raghvender Singh Yadav	Mangalmy Institute of Management and Technology	raghvender.ats@gmail.com
156	Mr.Rajesh Kumar	JSS Academy of Technical Education Noida	rajeshkr.eed@jssaten.ac.in
157	Mr.RAJESH RAJAAN	GLOBAL INSTITUTE OF TECHNOLOGY,JAIPUR	rajesh.rajaan@gitjaipur.com
158	Mr.Rakesh Kumar	Jagannath University Jaipur	rakesh.kumar@jagannathuniversity.org
159	Mr.RAKESH KUMAR KARDAM	Jecrc	rakesh.ece@jecrc.ac.in
160	Mr.Ramveer Singh	RKGIT	ram70fcs@rkgit.edu.in
161	Mrs.Rashmi rani maheshwari	Rashmi Rani Maheshwari	rashmi.maheshwari@galgotiacollege.edu
162	Mr.Ravi Kumar Singh	IIMT College of Engineering	ravi368@gmail.com
163	Mr.Ravindra T. Patil	Kls's V.D.I.T,Haliyal	ravindrapatil@klsvidit.edu.in
164	Mr.Rishi Raj	Vaish College of Engineering, Rohtak	rishirajofficial@gmail.com
165	Dr.Ruchi Rayat	GNIOT INSTITUTE OF MANAGEMENT STUDIES	ruchi_rayat@gniot.net.in
166	Mrs.S. AARTHI	SRMIST-RAMAPURAM	aarthis1@srmist.edu.in

167	Dr.S. PARTHIBAN	Gobi Arts & Science College	drsparthi@gmail.com
168	Mr.Sameer Anand	IMS Engineering College, Ghaziabad	anandsameer1979@gmail.com
169	Mr.SANDEEP SINGH	Vaish College of Engineering, Rohtak 124001	sandeepsinhmar87@gmail.com
170	Mr.Sandesha Karanth PK	Vivekananda College of Engineering and Technology	writetokaranth@gmail.com
171	Ms.SANGITA RAGHUNATH WATEGAONKAR	VSM'S SOMASHEKHAR R KOTHIWALE INSTITUTE OF TECHNOLOGY, NIPANI	sangitarw@gmail.com
172	Mr.SANTOSH KUMAR SHARMA	MAGADH UNIVERSITY BODH GAYA (BIHAR)	santoshmumath@gmail.com
173	Mr.SATYENDRA SINGH RAWAT	Swami Rama Himalayan University	ssrawat@srhu.edu.in
174	Dr.Savita Yadav	Lingayas Vidyapeeth	savi7star@gmail.com
175	Mr.SHABIR AHMAD RATHER	Government Degree College Anantnag	rathershabir24@gmail.com
176	Mr.Shailesh Kumar Gupta	Raj Kumar Goel Institute of Technology Ghaziabad	geniousshailesh@gmail.com
177	Mr.Shivachalesh S Guddodagi	KLS VEDIT, Haliyal	shivachalesh@klsvedit.edu.in
178	Dr.Showket Ahmad Dar	Govt. Degree College Tral	showketonpeace@gmail.com
179	Mr.Shubham Mahajan	Arya Institute of Engineering and technology	shub.mahajan@gmail.com
180	Dr.Shweta Kulshrestha	Mangalamay Institute of Management and Technology, Greater Noida	shweta.rkcet@gmail.com
181	Mrs.SHWETHA C H	VIVEKANANDA COLLEGE OF ENGINEERING AND TECHNOLOGY	shwethachethan22@gmail.com
182	Mr.SIDDHARTHA SENGUPTA	Calcutta Business School	siddharthas@calcuttabusinessschool.org
183	Mr.SOHIT AGARWAL	Suresh Gyan Vihar University	Sohit.agarwal@mygyanvihar.com
184	Dr.Soniya Lalwani	BKIT Kota	slalwani.math@gmail.com
185	Dr.Sorokhaibam Tiken Singh	D.M. College of Arts, Dhanamanjuri University, Imphal	tikensorokhaibam@gmail.com
186	Mr.Sourabh Banga	Arya College Of Engineering & Research Centre Jaipur	Sourabh.banga07@gmail.com
187	Mr.SRISHYLA L	Saraswathi Law College, Chitradurga	srishyla25@gmail.com
188	Dr.Sudhir Tiwari	Shri G S Institute of Technology and Science, Indore	sudhir2609@gmail.com
189	Dr.Suman Gulia	Maharishi Markandeshwar (Deemed to be) University, Mullana, Ambala, Haryana	sumanpunia3011@gmail.com
190	Dr.Sumit Gupta	Amity University Uttar Pradesh, Noida	sgupta20@amity.edu
191	Dr.Sunita Singhal	KCCILHE, Gr Noida	sunitasinghal21@gmail.com
192	Dr.SURENDRA PRABHAT GUPTA	ABES INSTITUTE OF TECHNOLOGY, GHAZIABAD	surendra.gupta@abesit.in
193	Mr.Sushil Kumar Maurya	Mangalmay Institute of Management and Technology Greater Noida	sushil.maurya@mangalmay.org
194	Dr.Suvankar Chakraborty	Haldia Institute of Technology	suvophy11@gmail.com

195	Dr.Tanuj Manglani	Arya Institute of Engineering & Technology	idtanuj@gmail.com
196	Dr.TARUN JAIN	Vaish College of Engineering	drtjvce@gmail.com
197	Mrs.Tejaswini Prithviraj Patil	Shivaji University Kolhapur	patilteju93@gmail.com
198	Mr.Thiyagarajan Radhakrishnan	All India Radio,Chennai	rashmithiyagu@gmail.com
199	Dr.Twinkle keshari	Veer Kunwar Singh University, Ara, Bihar	twinkle.keshari@gmail.com
200	Dr.Umesh Gupta	Vaish College of Engineering,Rohtak	umeshgupta_2000@yahoo.com
201	Dr.V Kannan PhD	Government Arts College, Dharmapuri, Tamil Nadu, India.	vtamildhasan1@gmail.com
202	Mrs.V.K.G KALAISELVI	Sri sairam engineering college	Kalaiselvi.IT@sairam.edu.in
203	Dr.Vandana B.S	Vivekananda College of Engineering and Technology	vandanamonappa07@gmail.com
204	Mr.VIJAY KUMAR	ABES INSTITUTE OF TECHNOLOGY, GHAZIABAD	vijay.attri0411@gmail.com
205	Dr.Vinit Kumar Lohan	Vaish College of Engineering, Rohtak	lohanvinit@gmail.com
206	Mrs.Vinita Panwar	Inderprastha Engineering College Ghaziabad	vinni.biet@gmail.com
207	Mrs.VIVEK SAXENA	A.B.E.S. ENGINEERING COLLEGE, GHAZIABAD	vvksaxena@gmail.com
208	Dr.Rajkumar	Jaipur Engineering college and research center,Jaipur	<a href="mailto:rajkumar.phy@jecrc.ac.in">rajkumar.phy@jecrc.ac.in</a>
209	Dr.Mohd Umar Farooq	Muffakham Jah College Of Engineering And Technology	umarfarooq.mohd@gmail.com
210	Mr.Natwar singh	Ucet bikaner	nkadwasara@yahoo.com
211	Mr.Pranesh Kulkarni	KLS VEDIT, HALIYAL	pkulkarni@klsvedit.edu.in
212	Mrs.ROHINI SAXENA	SHUATS	rohini.saxena@shiats.edu.in
213	Dr.Shashi kant Singh	Galgotia college of engineering and technology	drshashikant.singh@galgotiacollege.edu
214	Dr.Avinash Sharma	Maharishi markandeshwar engineering college	asharma@mmumullana.org
215	Mr.Gourav Purohit	Aravali Institute of Technical Studies	adsw@aravalieducation.org
216	Mr.Dharmendra Hariyani	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	dhariyani12002@gmail.com
217	Mr.Garvit Gupta	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	garvitgupta5@gmail.com
218	Mrs.KAJAL MATHUR	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	kajal.mathur@skit.ac.in
219	Dr.Krishna Sharma	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	krishna.sharma@skit.ac.in
220	Ms.Neha Mathur	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	neha.mathur@skit.ac.in
221	Ms.Ruchika khandelwal	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	ruchika@skit.ac.in
222	Ms.Namrata Saxena	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	namrata.saxena@skit.ac.in

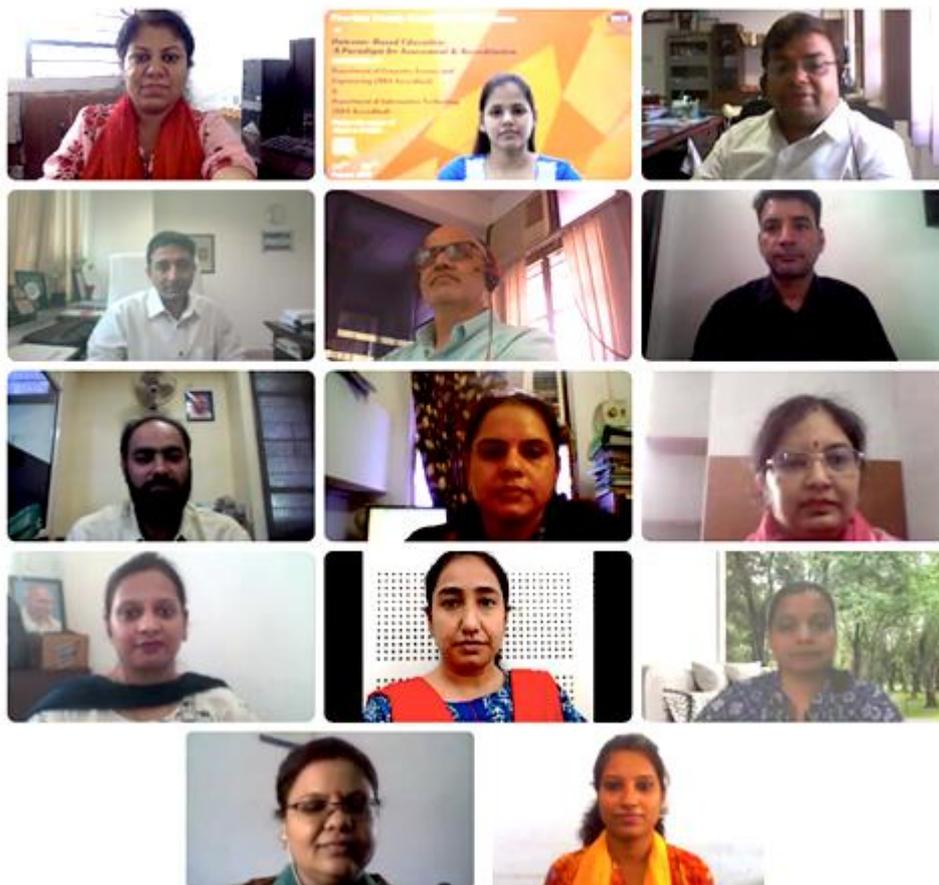
223	Mr.AMIT KUMAR BANSAL	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	amit.bansal@skit.ac.in
224	Mr.Deepak Saini	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	deepsm192@gmail.com
225	Ms.Garima Gupta	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	garima.gupta@skit.ac.in
226	Dr.Poonam Ojha	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	pnmojha@gmail.com
227	Ms.Rajni Idawal	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	rajni.idiwal@skit.ac.in
228	Mr.Chandra Mohan Kumar	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	chandra.mohan@skit.ac.in
229	Mr.Sudesh Garg	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	sudeshjitu101@gmail.com
230	Richa Khyalia	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	richa.khyalia11@gmail.com
231	Dr.Yogendra Gupta	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	yogendra.gupta@skit.ac.in
232	Dr.Swati Arora	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	swati@skit.ac.in
233	Mr.Neeraj Garg	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	neeraj.garg@skit.ac.in
234	Mr.MADHUKAR KUMAR	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	madhukar.raichand@skit.ac.in
235	Mr.Abhishek Gupta	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	a.abhi.engg@gmail.com
236	Mr.JITENDRA SINGH	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	jitendrasingh2389@gmail.com
237	Mr.Manish Kumar Navlakha	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	Manish.navlakha@skit.ac.in
238	Mrs.POOJA CHOUDHARY	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	pooja.choudhary@skit.ac.in
239	Mrs.Aakriti Sharma	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	aakriti@skit.ac.in
240	Dr.Meenakshi Nawal	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	meenakshi@skit.ac.in
241	Ms.Suman Sharma	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	suman.sharma.csit@skit.ac.in
242	Dr.Swati Joshi	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	swtojha@gmail.com
243	Ms.Dolly Mittal	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	dolly.mittal@skit.ac.in
244	Dr.Sumit Gupta	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	sumit.gupta@skit.ac.in
245	Ms.Sanju Choudhary	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	sanju@skit.ac.in
246	Mrs.Anjana Sangwan	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	anjana@skit.ac.in
247	Mr.Vinod kataria	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	vinod.kataria@skit.ac.in
248	Mr.Rajiv Kumar	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	rkjiit@gmail.com
249	Mr.Sarabjeet Singh	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	sarabjeet.singh@skit.ac.in
250	Ms.MANJU CHOUDHARY	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	manju.choudhary@skit.ac.in

251	Dr.Sangeeta Choudhary	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	sangeeta11rc@gmail.com
252	Mr.Sunil Dhankhar	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	sunil@skit.ac.in
253	Dr.Vijay Kumar Singhal	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	vijaysinghal01@gmail.com
254	Mr.Chandra Prakash Jain	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	chandra.jain@skit.ac.in
255	Mrs.RICHA RAWAL	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	richarawal@skit.ac.in
256	Dr.Shalini Shekhawat	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	shekhawatshalini17@gmail.com
257	Dr.Dheeraj Joshi	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	dhodme@skit.ac.in
258	Dr.Rishi Vyas	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	rishivyas@skit.ac.in
259	Dr.Jyoti Arora	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	jjyoti.arora@skit.ac.in
260	Mr.Ashish Pant	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	ashish.pant@skit.ac.in
261	Dr.Brajraj Sharma	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	raj.braj12@gmail.com
262	Dr.Komal Sharma	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	komal.sharma@skit.ac.in
263	Dr.Sunita	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	drsunitagupta2016@gmail.com
264	Mrs.SURBHI SHARMA	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	surbhi@skit.ac.in
265	Dr.Anupriya Singh	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	singhanupriyaa@yahoo.com
266	Dr.MANASVI DIXIT	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	manasvi.spsl@gmail.com
267	Dr.Archana Saxena	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	archanasaxena@skit.ac.in
268	Mr.Mayank Kumar Jain	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	mayank.jain@skit.ac.in
269	Ms.Shalini Singhal	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur	shalini.singhal@skit.ac.in

## INAUGURAL CEREMONY

The Inaugural ceremony of the Five-day Faculty Development Programme on “Outcome-Based Education: A Paradigm for Assessment & Accreditation” organized by Department of Computer Science and Engineering & Department of Information Technology, under the aegis of IQAC & PAQIC, SKIT, Jaipur was started on 24th August, 2021 at 10:00 AM.

The event was initiated by Ms. Tanya Khandelwal, Anchor FDP. She invited Mr. Jaipal Meel, Director SKIT for the formal welcome of the Chief Guest Col. B. Venkat, Director Faculty Development Cell, AICTE, New Delhi and Ms. Shubha Gupta, Digital & Mobile Client Services and Excellence (CSE) Leader (CIC India), IBM, India. After that Prof Anil Chaudhary, HOD-IT has given the brief about the five-day event. Col B. Venkat in his talk emphasized on the NEP 2020 for young professionals and he also congratulated the institute for taking such initiatives. The vote of thanks was proposed by Prof. Mukesh Kumar Gupta, HOD-CSE.



## SESSION DETAILS

### Day 1:

**Date: 24<sup>th</sup> August,2021**

**Session 1: (11:30 AM -1:30 PM )**

1. First session was taken by, **Ms. Shubha Gupta**, Digital & Mobile Client Services and Excellence (CSE) Leader (CIC India), IBM, India
2. The session was about “**QUALITY MANAGEMENT SYSTEMS IN IT INDUSTRY**”.
3. She started with basic introduction of QMS.
4. She discussed about the Iron triangle of Quality management(Cost, Scope, Time)
5. She discussed about Mural,Project,Contract and CMMI V2.0.S
6. She explained the Seven keys to success and she also talked about your responsibility for the project success.

The screenshot shows a Cisco Webex meeting interface. At the top, there's a menu bar with options like File, Edit, Share, View, Audio & Video, Participant, Event, and Help. Below the menu, there's a row of participant thumbnails, including Nidhi Srivastav (Host), Shubha Gupta (active), Anil Choudhary, Rashmi Dadhich, Anil Choudhary, Deepa Modi, and Dr. Pankaj Dadheech. The main content area displays a presentation slide titled "Project management" with a central diagram. The diagram has "Project management" in the center, with arrows pointing to various components: Communication, Teamwork, Analysis, Budget, Planning, Problem solving, Expectations, Requirements, Milestones, Control, Risks, Goals, and Deadlines. At the bottom of the meeting window, there's a control bar with buttons for Unmute, Start video, Share, and a red 'X' button. The Windows taskbar is visible at the very bottom, showing the search bar, taskbar icons, and system tray with the date 8/24/2021 and time 12:00 PM.

### Day 2:

**Date: 25<sup>th</sup> August,2021**

**Session 1 & 2: (10:00 AM-12:00 Noon ) & (1:00 PM-3:00 PM)**

1. First and second sessions were taken by **Dr. G. Varaprasad**, Professor, Department of CSE, B.M.S. College of Engineering, Bangalore, India
2. The session was about “**ATTAINMENT PROCESS OF COURSE OUTCOMES &**
3. **PROGRAM OUTCOMES/PROGRAM SPECIFIC OUTCOMES**”
4. He discussed about Program Outcomes & Program Specific Outcomes.
5. In the series of discussion he talked about how PO/PSO are measured for B.E./B.Tech program.
6. He explained the Assessment tools for PO/PSO and also gave many examples of Direct & Indirect Assessment.
7. He also explained the various approaches to POs/PSOs attainment i.e. Batch wise and Year wise
8. At the end a very healthy question answer session took place. Many questions were asked by the participants related to the attainment process.

Cisco Webex Events | Event Info | Hide Menu Bar ^

File Edit Share View Audio & Video Participant Event Help

Shanu Tripathi Me Nidhi Srivastav Host Deepa Modi Nikhar Bhatnagar Rashmi Dadhich S R Dogiwal

varaprasad golla

PowerPoint Slide Show - PO attainment-3 [Compatibility Mode] - PowerPoint

### Various Approaches to Measure PO/PSO

- ❖ PO/PSO attainment is done 2 methods—Batch & Year wise
- ❖ PO/PSO attainment is done –Batch wise
- ❖ Ex: Batch 2016-20      ❖ Ex: Batch 2015-19      ❖ Ex: Batch 2014-18
- ❖ 2016-17→1<sup>st</sup> year      ❖ 2015-16 →1<sup>st</sup> year      ❖ 2014-15→1<sup>st</sup> year
- ❖ 2017-18→2<sup>nd</sup> year      ❖ 2016-17 →2<sup>nd</sup> year      ❖ 2015-16→2<sup>nd</sup> year
- ❖ 2018-19→3<sup>rd</sup> year      ❖ 2017-18 →3<sup>rd</sup> year      ❖ 2016-17→3<sup>rd</sup> year
- ❖ 2019-20→4<sup>th</sup> year      ❖ 2018-19→4<sup>th</sup> year      ❖ 2017-18→4<sup>th</sup> year
- CAYm1: 2019-20      CAYm2: 2018-19      CAYm3: 2017-18

PO Attainment

	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12
2016-20	2.97	2.94	2.82	2.82	2.89	3	2.93	2.75	2.69	2.58	2.93	2.87
2015-19	3	2.76	2.92	2.67	2.5	2.8	2.74	2.6	2.6	2.84	2.75	2.9
2014-18	3	2.86	2.85	2.7	2.8	2.78	2.85	2.65	2.65	2.85	2.75	2.93

Slide 8 of 42

Unmute Start video Share

Participants Chat

13:31 25-08-2021

Cisco Webex Events | Event Info | Hide Menu Bar ^

File Edit Share View Audio & Video Participant Event Help

Shanu Tripathi Me Nidhi Srivastav Host Deepa Modi Nikhar Bhatnagar

varaprasad golla

PowerPoint Slide Show - PO attainment-2 [Compatibility Mode] - PowerPoint

### List of Indirect Assessment Tools for PO/PSO

- ❖ Indirect Assessment Tool
- 1. Program exit survey (More samples)
- 2. Alumni survey
- 3. Placement & higher studies
- 4. Employer survey
- 5. Parent survey
- 6. Faculty feedback
- 7. NCC and NSS activities
- 8. Co-curricular activities,
- 9. Extra -curricular activities
- 10. Faculty feedback

Slide 13 of 42

Unmute Start video Share

Participants Chat

13:41 25-08-2021

Participants (165)

Search

Panelist: 7

- ST Shanu Tripathi Me
- NS Nidhi Srivastav Host
- VG varaprasad golla
- DM Deepa Modi
- NB Nikhar Bhatnagar
- RD Rashmi Dadhich
- SD S R Dogiwal

Attendee: 158 (0 displayed)

[View all attendees...](#)

### Day 3:

Date: 26<sup>th</sup> August, 2021

Session 1: (10:00 AM-12:00 Noon )

1. First session was taken by **Prof. Vineet Sahula**, Professor-HAG, Department of Electronics & Communication Engineering, MNIT, Jaipur
2. The topic of his talk was “**FORMULATION OF VISION, MISSION AND COURSE OUTCOMES**”
3. In his session he discussed about Outcome based Education (Objective, Methodology and benefits)
4. He also explained how to develop Vision, Mission and Course Outcomes.
5. He discussed about Bloom Taxonomy, Mapping Matrices and Rubrics.

- He explained in detail about the knowledge levels.
- At the end a very healthy question answer session took place. Participants asked their queries related to the framing of vision, mission and course outcomes

The screenshot shows a Cisco Webex meeting interface. The top bar includes 'Cisco Webex Events | Event Info | Hide Menu Bar'. Below the top bar is a participant list with names: Shanu Tripathi, Anil Choudhary, Vineet Sahula (highlighted with a blue box), Rashmi Dadhich, Deepa Modi, Dr. Pankaj Dadheech, and Nidhi Srivastav. The main content area displays a slide titled 'Cognition Knowledge Matrix'. The slide features a grid of six columns representing cognitive levels: Remember, Understand, Apply, Analyze, Evaluate, and Create. Each column contains a list of associated verbs. The 'Analyze' column is circled in green, and the 'Construct' verb in the 'Create' column is also circled in green. A chat window is visible in the top right corner with the text 'vinee 11:26 AM' and 'Add a comment...'. The bottom of the screen shows the Webex control bar with options like 'Unmute', 'Start video', 'Share', 'Participants', and 'Chat'. The Windows taskbar is visible at the very bottom.

The screenshot shows a Cisco Webex meeting interface. The top bar includes 'Cisco Webex Events | Event Info | Hide Menu Bar'. Below the top bar is a participant list with names: Shanu Tripathi, Anil Choudhary, Vineet Sahula (highlighted with a blue box), Rashmi Dadhich, Deepa Modi, Dr. Pankaj Dadheech, and MEHUL MAHRISHI. The main content area displays a slide titled 'Rubric for Written & Oral Work'. The slide contains a table with the following data:

Criteria	Exemplary 100%	Proficient 90%	Limited 80%	Unsatisfactory 60%
Accuracy	No errors	Few errors	Some errors	Frequent errors
Comprehensibility	Always comprehensible	Almost always comprehensible	Gist and main ideas are comprehensible	Isolated bits are comprehensible
Content coverage	Fully developed, fully supported	Adequately developed, adequately supported	Partially developed, partially supported	Minimally developed, minimally supported
Vocabulary Range Variety	Broad Highly varied; non-repetitive	Adequate Varied; occasionally repetitive	Limited Lacks variety; repetitive	Very limited Basic, memorized; highly repetitive

Below the table, there is a footer with the text: 'V. Sahula (MNIT Jaipur) Formulating COs OBE: Assessment & Accreditation 76 / 132'. A chat window is visible in the top right corner with the text 'vinee 12:00 PM' and 'Add a comment...'. The bottom of the screen shows the Webex control bar with options like 'Unmute', 'Start video', 'Share', 'Participants', and 'Chat'. The Windows taskbar is visible at the very bottom.

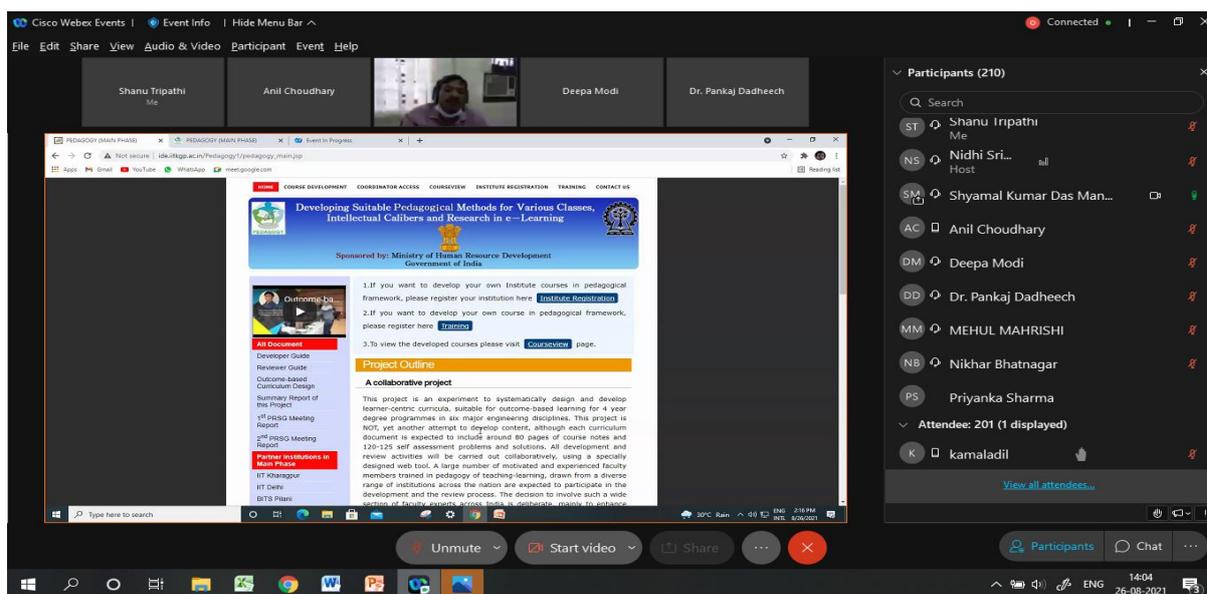
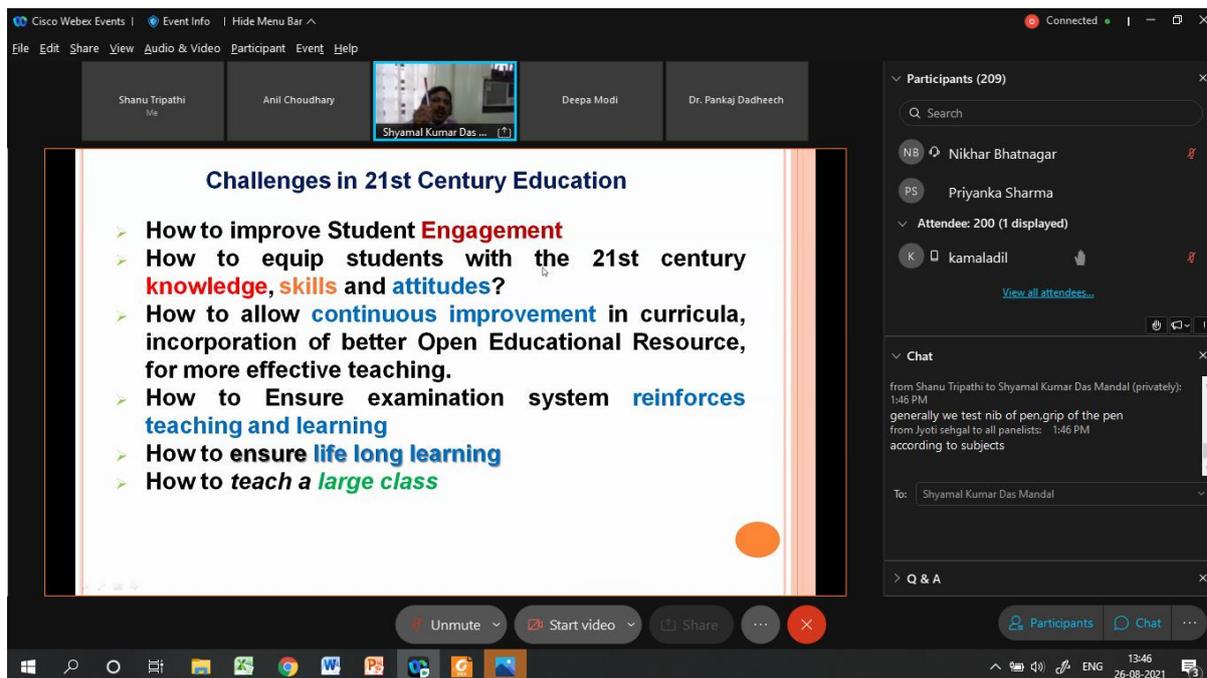
### Day 3:

Date: 26<sup>th</sup> August, 2021

Session 2: (1:00 PM-3:00 PM)

- The second session of the day was taken by **Dr. Shyamal Kumar Das Mandal**, Assistant Professor, Centre for Educational Technology Indian Institute of Technology, Kharagpur
- The topic of his talk was **“OUTCOME BASED EDUCATION FOR ONLINE TEACHING”**
- He explained about the purpose of examination, challenges in 21<sup>st</sup> century.
- He also empathized on the need of Accreditation
- He mainly focused on Outcome-Based Education and the role of teacher

6. At the end a very healthy question answer session was took place. Many questions were asked by the participants related to the design of course module.



#### Day 4:

Date: 27<sup>th</sup> August,2021

Session 1 & 2: (10:00 AM-12:00 Noon ) & (1:00 PM-3:00 PM)

1. This session was taken by **Prof. M. K. Banerjee**, Ex-Professor, MNIT, Jaipur
2. The topic of his talk was **“TEACHERS' PERSPECTIVE ON OUTCOME BASED EDUCATION”**.
3. He discussed a model hierarchy for the outcome based education.
4. He explained how to state vision and mission,PO and PSO.
5. He covered the requirement of OBE and curriculum design

6. He also discussed about importance of learning outcomes and relevance with blooms taxonomy.

The screenshot shows a Cisco Webex meeting interface. The top bar includes 'Cisco Webex Events', 'Event Info', and 'Hide Menu Bar'. Below this is a participant list with names: Shanu Tripathi, Nidhi Srivastav, malay banerjee (active), Deepa Modi, Anil Chaudhary, Dr. Pankaj Dadheech, MEHUL MAHRISHI, and S.R. Dogra. The main content area displays a slide from an Adobe Acrobat Reader. The slide title is 'Left Brain (Analytic)' and features a central diagram with a blue circle containing a white equals sign. Six orange boxes are arranged around the circle, each connected to it by a line. The boxes contain the following text: 'Logical', 'Sequential', 'Rational', 'Analytical', 'Objective', and 'Looks at parts'. The bottom of the meeting window shows controls for 'Unmute', 'Start video', 'Share', and 'Participants'.

The screenshot shows a Cisco Webex meeting interface. The top bar includes 'Cisco Webex Events', 'Event Info', and 'Hide Menu Bar'. Below this is a participant list with names: Shanu Tripathi, Nidhi Srivastav, malay banerjee (active), Deepa Modi, Anil Chaudhary, Dr. Pankaj Dadheech, and MEHUL MAHRISHI. The main content area displays a slide from an Adobe Acrobat Reader. The slide title is 'Types of thinking inherited from two brains' and contains a table comparing 'Left Brain' and 'Right Brain' characteristics. The bottom of the meeting window shows controls for 'Unmute', 'Start video', 'Share', and 'Participants'.

Left Brain	Right brain
Logical	Random
Sequential	Intuitive
Rational	Holistic
Analytical	Synthesising
Objective	Subjective
Looks at parts	Looks at wholes

## Day 5:

Date: 28<sup>th</sup> August, 2021

Session 1: (10:00 AM-12:00 Noon)

1. First session was taken Ms. Sanjita Bohidar, Principal - Quality Programs, Infosys Technologies.
2. The session was about “Quality at Infosys”.
3. She covered quality culture at Infosys.
4. She discussed the quality approaches like productized processes, best-in-class methodology, performance predictability and continuous capability development.
5. She also explained the process repository.
6. She discussed the process management, process release & agile framework.

7. She also talked about the various training programs offered by Infosys for students like classroom training, collaborative platform teams, certificate programs and workshops etc.
8. She emphasized that the feedback and continuous improvement is necessary for learning.

The screenshot displays a Webex meeting interface. The main content is a presentation slide titled "Quality at Infosys : Objective". The slide is divided into three columns:

- Differentiate:**
  - Driving Agile Transformation
  - Helping Scale New Digital Services
  - Anchoring programs for Client Value Add
- Optimize:**
  - Cost Optimization through Lean and Automation
  - Process Simplification
- De-Risk:**
  - Ensuring Continued Delivery Excellence
  - Measuring Client Pulse and enhancing Client Delight
  - De-risk Org on Newer Areas

A green bar at the bottom of the slide states: "Achieved through transforming people and supporting eco system". The Infosys logo is visible in the bottom right corner of the slide.

The meeting interface shows a top bar with "Webex | Event Info | Hide Menu Bar ^" and a "Connected" status. Below the top bar are video thumbnails for participants: Deepa Modi (Me), Nidhi Srivastav, Sanjita Bohidar (highlighted), Rashmi Dadhich (Host), and Anil Choudhary. A "Layout" button is also present. On the right side, there is a "Participants (126)" list with a search bar and a "Panelist: 11" section listing participants with their initials and roles (e.g., DM Deepa Modi Me, RD Rashmi D... Host, SB Sanjita Bohidar, AC Anil Choudhary, DD Dr. Pankaj Dadheech, MM Mehul Mahrishi, NS Nidhi Srivastav, NB Nikhar Bhatnagar, PS Priyanka Sharma, SD S R Dogiwal, ST Shanu Tripathi). At the bottom of the meeting window, there are controls for "Unmute", "Start video", and "Share". The Windows taskbar is visible at the very bottom, showing the search bar and system tray with the time 10:18 and date 28-08-2021.

## VALEDICTORY CEREMONY

Valedictory ceremony of the FDP was held on 28-08-2021 in online mode. The function started with the welcome address by Ms. Sneha Sharma, Anchor (FDP). Then Prof. Anil Chaudhary, HOD-IT & Coordinator IQAC has given the closing note of the FDP. After that Ms. Shanu Tripathi, Coordinator FDP presented the event report and Ms. Deepa Modi, Coordinator FDP proposed the vote of thanks. During valedictory, feedback from the participants was also taken and after that an online assessment was conducted.



## COMPLETION REPORT

Five-day faculty Development Programme (FDP) on “**Outcome-Based Education: A Paradigm for Assessment & Accreditation**” was successfully organized by Department of Computer Science and Engineering & Department of Information Technology, Under the aegis of IQAC & PAQIC at the Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur from 24<sup>th</sup> August, 2021 to 28<sup>th</sup> August, 2021. The programme had the primary objective to enhance the knowledge of Outcome Based Education (OBE) among the faculty and peer groups. The FDP will attract the speakers and policy makers in OBE and quality specifications from both Industry and Academia. This FDP is meant for faculties of engineering, sciences, mathematics, and humanities courses in technical and diploma institutes. Some other specific objectives which were targeted in this FDP are:

- ✓ Create awareness among the faculties and their peer groups about the concepts of Outcome Based Education (OBE) and its growing importance in present educational scenario.
- ✓ Understand the implementation process of Outcome Based Education.
- ✓ Educate the participants with the various contemporary academic delivery methods.
- ✓ Develop measures that can be used to assess the quality of education provided through the OBE model with a special emphasis on technical education.
- ✓ Understand the implementation of OBE in NBA/NAAC.

The Outcomes of this FDP are as follows:

- ✓ The participants understood the relevance of Outcome Based Education, its role in NBA/NAAC, usefulness of accreditation and various processes associated with accreditation.
- ✓ The participants understood the teaching pedagogy and effective implementation of every aspect of pedagogy.

- ✓ The participants learned to formulate vision, mission, PEOs, PSOs of the department and methods of attaining PEOs and PSOs.
- ✓ The participants learned to design course outcomes.
- ✓ The Participants of the FDP become more familiar with assessment process using OBE.

### **Programme Highlights**

- ✓ **Number of participants:** In all 269 participants attended the FDP Programme. There were participants from all parts of the country.
- ✓ **Resource Persons:** The various sessions of faculty development programme were taken by academicians and industry experts.

<b>Sr. No.</b>	<b>Expert/ Resource Person</b>	<b>Designation/ Profile</b>
1	Ms. Shubha Gupta	Digital & Mobile Client Services and Excellence (CSE) Leader (CIC India), IBM, India
2	Dr. G. Varaprasad	Professor, Department of CSE, B.M.S. College of Engineering, Bangalore, India
3	Prof. Vineet Sahula	Professor-HAG, Department of Electronics & Communication Engineering, MNIT, Jaipur
4	Dr. Shyamal Kumar Das Mandal	Assistant Professor, Centre for Educational Technology, IIT Kharagpur
5	Prof. M. K. Banerjee	Ex-Professor, MNIT, Jaipur
6	Ms. Sanjita Bohidar	Principal - Quality Programs, Infosys Technologies

## **SAMPLE FEEDBACK FORM**

### Five-Day Faculty Development Programme on "Outcome-Based Education: A Paradigm for Assessment & Accreditation" during 24th–28th August 2021:Day 1 Feedback

Thank you for attending today's session of FDP organised by the Department of Computer Science & Engineering and Information Technology, SKIT, Jaipur, Rajasthan.

E-mail \*

piyush.pant@kiet.edu

Name \*

Piyush Pant

Designation \*

Assistant Professor

Organization \*

KIET GROUP OF INSTITUTIONS Delhi-NCR Ghaziabad

State \*

Uttar Pradesh

Contact Number \*

7503238908

Quality of the session and expertise of the Resource Person: Ms. Shubha Gupta \*

	1	2	3	
FAIR	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	EXCELLENT

How helpful was the session provided? \*

	1	2	3	4	5	
Slightly Helpful	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Extremely Helpful

The relevance of the topic \*

	1	2	3	
FAIR	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	EXCELLENT

Your overall experience \*

	1	2	3	
FAIR	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	EXCELLENT

Any additional comments or suggestions?

---

This form was created inside of Swami Keshvanand Institute of Technology.

Google Forms

## Five-Day Faculty Development Programme on "Outcome-Based Education: A Paradigm for Assessment & Accreditation" during 24th–28th August 2021: Day 2 Feedback(Session I & II)

Thank you for attending today's session of FDP organised by the Department of Computer Science & Engineering and Information Technology, SKIT, Jaipur, Rajasthan.

E-mail \*

kaushal.gupta@abesit.in

Name \*

Kaushal Gupta

Organization \*

ABES Institute of Technology, Ghaziabad

Contact Number \*

8826080934

Quality of the session and expertise of the Resource Person: Dr. G. Varaprasad \*

FAIR      1      2      3      EXCELLENT

How helpful was the session provided? \*

	1	2	3	4	5	
Slightly Helpful	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Extremely Helpful

The relevance of the topic \*

	1	2	3	
FAIR	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	EXCELLENT

Your overall experience \*

	1	2	3	
FAIR	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	EXCELLENT

Any additional comments or suggestions?

NA

This form was created inside of Swami Keshvanand Institute of Technology.

Google Forms

## Five-Day Faculty Development Programme on "Outcome-Based Education: A Paradigm for Assessment & Accreditation" during 24th–28th August 2021: Feedback Day 3(Session I)

Thank you for attending today's session of FDP organised by the Department of Computer Science & Engineering and Information Technology, SKIT, Jaipur, Rajasthan.

E-mail \*

rajesh.rajaan@gitjaipur.com

Name \*

RAJESH RAJAAN

Organization \*

GLOBAL INSTITUTE OF TECHNOLOGY,JAIPUR

Contact Number \*

9887507364

Quality of the session and expertise of the Resource Person: Prof. Vineet Sahula \*

FAIR      1      2      3      EXCELLENT

How helpful was the session provided? \*

1 2 3 4 5

Slightly Helpful      Extremely Helpful

The relevance of the topic \*

1 2 3

FAIR    EXCELLENT

Your overall experience \*

1 2 3

FAIR    EXCELLENT

Any additional comments or suggestions?

None

This form was created inside of Swami Keshvanand Institute of Technology.

Google Forms

## Five-Day Faculty Development Programme on "Outcome-Based Education: A Paradigm for Assessment & Accreditation" during 24th–28th August 2021: Feedback Day 3(Session II)

Thank you for attending today's session of FDP organised by the Department of Computer Science & Engineering and Information Technology, SKIT, Jaipur, Rajasthan.

E-mail \*

nandakumarrb\_cse@mitmysore.in

Name \*

Nanda Kumar R B

Organization \*

MIT Mysore

Contact Number \*

9620220179

Quality of the session and expertise of the Resource Person: Prof. Dr. Shyamal Kumar Das Mandal \*

FAIR      1      2      3      EXCELLENT

How helpful was the session provided? \*

	1	2	3	4	5	
Slightly Helpful	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Extremely Helpful

The relevance of the topic \*

	1	2	3	
FAIR	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	EXCELLENT

Your overall experience \*

	1	2	3	
FAIR	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	EXCELLENT

Any additional comments or suggestions?

---

This form was created inside of Swami Keshvanand Institute of Technology.

Google Forms

## Five-Day Faculty Development Programme on "Outcome-Based Education: A Paradigm for Assessment & Accreditation" during 24th–28th August 2021: Day 4 Feedback(Session I & II)

Thank you for attending today's session of FDP organised by the Department of Computer Science & Engineering and Information Technology, SKIT, Jaipur, Rajasthan.

E-mail \*

vtamildhasan1@gmail.com

Name \*

Dr V KANNAN PhD

Organization \*

Government Arts College, Dharmapuri, Tamil Nadu, India

Contact Number \*

8072975844

Quality of the session and expertise of the Resource Person: Prof. M.K.Banerjee \*

FAIR      1      2      3      EXCELLENT

How helpful was the session provided? \*

	1	2	3	4	5	
Slightly Helpful	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Extremely Helpful

The relevance of the topic \*

	1	2	3	
FAIR	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	EXCELLENT

Your overall experience \*

	1	2	3	
FAIR	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	EXCELLENT

Any additional comments or suggestions?

Excellent session keep it up

This form was created inside of Swami Keshvanand Institute of Technology.

Google Forms

## Five-Day Faculty Development Programme on "Outcome-Based Education: A Paradigm for Assessment & Accreditation" during 24th–28th August 2021: Day 5 Feedback

Thank you for attending today's session of FDP organised by the Department of Computer Science & Engineering and Information Technology, SKIT, Jaipur, Rajasthan.

E-mail \*

ashutoshrao7@gmail.com

Name \*

Ashutosh Kumar Rao

Organization \*

Institute of Technology and Management Gida Gorakhpur

Contact Number \*

07906686559

Quality of the session and expertise of the Resource Person: Ms. Sanjita Bohidar \*

FAIR      1      2      3      EXCELLENT

How helpful was the session provided? \*

	1	2	3	4	5	
Slightly Helpful	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Extremely Helpful

The relevance of the topic \*

	1	2	3	
FAIR	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	EXCELLENT

Your overall experience \*

	1	2	3	
FAIR	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	EXCELLENT

Any additional comments or suggestions?

no

This form was created inside of Swami Keshvanand Institute of Technology.

Google Forms

# SAMPLE CERTIFICATES



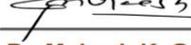
**Five-Day Faculty Development Programme**  
on  
**Outcome-Based Education:  
A Paradigm for Assessment & Accreditation**

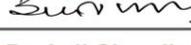
ORGANIZED BY:

*Department of Computer Science and Engineering (NBA Accredited) & Department of Information Technology (NBA Accredited)*  
*Under the aegis of IQAC & PAQIC*  
Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur, Rajasthan

**CERTIFICATE OF PARTICIPATION**

This is to certify that **Mr. Shailesh Kumar Gupta**  
of  
**Raj Kumar Goel Institute of Technology Ghaziabad**  
has participated in the Five-Day Faculty Development Programme on "**Outcome-Based Education: A Paradigm for Assessment & Accreditation**" held from **24/08/2021** to **28/08/2021** at **Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur.**

  
Dr. Mukesh K. Gupta  
HOD-CSE, Member IQAC,  
SKIT

  
Dr. Anil Chaudhary  
HOD-IT, Coordinator IQAC,  
SKIT

  
Dr. Ramesh K. Pachar  
Principal, Chairman IQAC,  
SKIT



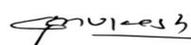
**Five-Day Faculty Development Programme**  
on  
**Outcome-Based Education:  
A Paradigm for Assessment & Accreditation**

ORGANIZED BY:

*Department of Computer Science and Engineering (NBA Accredited) & Department of Information Technology (NBA Accredited)*  
*Under the aegis of IQAC & PAQIC*  
Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur, Rajasthan

**CERTIFICATE OF PARTICIPATION**

This is to certify that **Mrs. A Nivetha**  
of  
**Muthayammal engineering college (Autonomous), Rasipuram**  
has participated in the Five-Day Faculty Development Programme on "**Outcome-Based Education: A Paradigm for Assessment & Accreditation**" held from **24/08/2021** to **28/08/2021** at **Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur.**

  
Dr. Mukesh K. Gupta  
HOD-CSE, Member IQAC,  
SKIT

  
Dr. Anil Chaudhary  
HOD-IT, Coordinator IQAC,  
SKIT

  
Dr. Ramesh K. Pachar  
Principal, Chairman IQAC,  
SKIT



**Five-Day Faculty Development Programme**  
on  
**Outcome-Based Education:  
A Paradigm for Assessment & Accreditation**



ORGANIZED BY:

*Department of Computer Science and Engineering (NBA Accredited) & Department of Information Technology (NBA Accredited)*

*Under the aegis of IQAC & PAQIC*

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

**CERTIFICATE OF PARTICIPATION**

This is to certify that **Mrs. B.Renukadevi**  
of

**Sri Sai Ram Engineering College**

has participated in the Five-Day Faculty Development Programme on "**Outcome-Based Education: A Paradigm for Assessment & Accreditation**" held from **24/08/2021** to **28/08/2021** at **Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur.**

**Dr. Mukesh K. Gupta**  
HOD-CSE, Member IQAC,  
SKIT

**Dr. Anil Chaudhary**  
HOD-IT, Coordinator IQAC,  
SKIT

**Dr. Ramesh K. Pachar**  
Principal, Chairman IQAC,  
SKIT



**Five-Day Faculty Development Programme**  
on  
**Outcome-Based Education:  
A Paradigm for Assessment & Accreditation**



ORGANIZED BY:

*Department of Computer Science and Engineering (NBA Accredited) & Department of Information Technology (NBA Accredited)*

*Under the aegis of IQAC & PAQIC*

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

**CERTIFICATE OF PARTICIPATION**

This is to certify that **Dr. G.UMA MAHESWARI**  
of

**Siva Sivani Institute of Management**

has participated in the Five-Day Faculty Development Programme on "**Outcome-Based Education: A Paradigm for Assessment & Accreditation**" held from **24/08/2021** to **28/08/2021** at **Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur.**

**Dr. Mukesh K. Gupta**  
HOD-CSE, Member IQAC,  
SKIT

**Dr. Anil Chaudhary**  
HOD-IT, Coordinator IQAC,  
SKIT

**Dr. Ramesh K. Pachar**  
Principal, Chairman IQAC,  
SKIT

## **TOKEN OF GRATITUDE**

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

*Token of Gratitude*



*Col. B. Venkat*

**Many thanks for your presence as a Chief Guest & Keynote Speaker  
in  
Five-Day Faculty Development Programme on  
Outcome-Based Education: A Paradigm for Assessment & Accreditation**

**24<sup>th</sup> - 28<sup>th</sup> AUGUST, 2021**

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

*Token of Gratitude*



*Ms. Shubha Gupta*

**Many thanks for your presence as a guest & expert talk on  
"Quality Management System in IT Industry"  
in  
Five-Day Faculty Development Programme on  
Outcome-Based Education: A Paradigm for Assessment & Accreditation**

**24<sup>th</sup> - 28<sup>th</sup> AUGUST, 2021**

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

*Token of Gratitude*



*Dr. G. Varaprasad*

Many thanks for your presence as a guest & expert talk on  
"Attainment Process of Course Outcome & Program Outcomes/Program Specific Outcomes "

in

*Five-Day Faculty Development Programme on  
Outcome-Based Education: A Paradigm for Assessment & Accreditation*

24<sup>th</sup> - 28<sup>th</sup> AUGUST, 2021

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

*Token of Gratitude*



*Dr. Vineet Sahula*

Many thanks for your presence as a guest & expert talk on  
"Formulation of Vision, Mission & Course Outcomes "

in

*Five-Day Faculty Development Programme on  
Outcome-Based Education: A Paradigm for Assessment & Accreditation*

24<sup>th</sup> - 28<sup>th</sup> AUGUST, 2021

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

*Token of Gratitude*



*Dr. Shyamal Kumar Das Mandal*

Many thanks for your presence as a guest & expert talk on  
"Outcome Based Education for Online Teaching "

in

*Five-Day Faculty Development Programme on  
Outcome-Based Education: A Paradigm for Assessment & Accreditation*

24<sup>th</sup> - 28<sup>th</sup> AUGUST, 2021

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

*Token of Gratitude*



*Prof. M.K. Banerjee*

Many thanks for your presence as a guest & expert talk on  
"Teacher's Perspective on Outcome Based Education "

in

*Five-Day Faculty Development Programme on  
Outcome-Based Education: A Paradigm for Assessment & Accreditation*

24<sup>th</sup> - 28<sup>th</sup> AUGUST, 2021

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

*Token of Gratitude*



*Ms. Sanjita Bohidar*

Many thanks for your presence as a guest & expert talk on  
"Quality at Infosys"

in

*Five-Day Faculty Development Programme on  
Outcome-Based Education: A Paradigm for Assessment & Accreditation*

24<sup>th</sup> - 28<sup>th</sup> AUGUST, 2021

## NEWS IN MEDIA

# आउटकम बेस्ड एजुकेशन पर चर्चा

डेली न्यूज, mix रिपोर्टर, जयपुर। स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी में मंगलवार को कंप्यूटर साइंस एंड इनफॉर्मेशन टेक्नोलॉजी डिपार्टमेंट की ओर से 'आउटकम बेस्ड एजुकेशन: ए पेराडीगम फॉर असेसमेंट एंड एक्रिडिशन' विषय पर 5 दिवसीय फैकल्टी डेवलपमेंट प्रोग्राम के तहत विभिन्न सेशन आयोजित किए गए।

प्रोग्राम में एफडीसी एआईसीटीई डायरेक्टर कर्नल बी वेंकट ने एफडीपी के बारे में जानकारी देते हुए आउटकम बेस्ड एजुकेशन का महत्व समझाया। डिजिटल एंड मोबाइल क्लाइट सर्विसेज आईबीएम इंडिया की ओर से शुभा गुप्ता ने आउटकम बेस्ड एजुकेशन के महत्व को आईटी डिपार्टमेंट से जोड़ा। इस अवसर पर संस्था डायरेक्टर जयपाल मील, रजिस्ट्रार रचना मील, प्राचार्य डॉ. रमेश कुमार पचार, आईटी

डिपार्टमेंट हेड डा. अनिल चौधरी, सीएस डिपार्टमेंट हेड डॉ. मुकेश कुमार गुप्ता और



कन्वीनर मेहुल महर्षि ने भी एफडीपी के विभिन्न सत्रों को संबोधित किया।

## विभिन्न सेशंस में एक्सपर्ट्स ने रखे विचार

# आउटकम बेस्ड एजुकेशन पर चर्चा

जयपुर @ पत्रिका. स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी में कंप्यूटर साइंस एंड इनफॉर्मेशन टेक्नोलॉजी डिपार्टमेंट की ओर से 'आउटकम बेस्ड एजुकेशन - ए पेराडीगम फॉर असेसमेंट एंड एक्रिडिशन' पर फैकल्टी डेवलपमेंट प्रोग्राम का आयोजन किया गया। इसमें एफडीसी एआईसीटीई डायरेक्टर कर्नल बी. वेंकट ने एफडीपी के बारे में जानकारी देते हुए आउटकम बेस्ड एजुकेशन का महत्व समझाया। डिजिटल एंड मोबाइल क्लाइट सर्विसेज



आईबीएम इंडिया की ओर से शुभा गुप्ता ने आईटी के बदलते स्वरूप पर चर्चा की। डायरेक्टर जयपाल मील, रजिस्ट्रार रचना मील, प्राचार्य डॉ. रमेश पचार, आईटी डिपार्टमेंट हेड अनिल चौधरी, सीएस डिपार्टमेंट हेड मुकेश गुप्ता और कन्वीनर मेहुल महर्षि ने भी संबोधित किया।

# FDP on Outcome-Based Education

CITY FIRST

**A**n online Five-Day faculty development programme on Outcome-Based Education: A Paradigm for Assessment & Accreditation commenced today at Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT), Jaipur. Institute Director, Jaipal Meel welcomed the chief guest Col. B Venkat, Director, Faculty Development Cell, AICTE, New Delhi and Shubha Gupta, IBM, India.

Col. B.Venkat in his address congratulated the Institute for taking such initiatives and he emphasised the importance of NEP 2020 for young professionals. He also emphasised outcome-based education and



its implementation. More than 700 participants from 26 different states of India were taking part in this five-day online FDP. The program was coordinated by the faculties Deepa Modi, Shanu Tripathi, Rashmi Dadheech and Nidhi Srivastava.

**-THANK YOU-**