



in association with



KLE Technological University,  
Hubballi

Cordially invites you to virtual  
Distinguished Guest Lecture  
(DGL) on

**“Impact of Artificial  
Intelligence on Society”**

by



**Prof. Sasindran Prabhu**  
Visiting Faculty, KS School of  
Engineering and Management  
(KSSEM), Bengaluru

**About the Topic** - Artificial Intelligence (AI) is implemented in almost all IT systems today. It brings many advantages like automation with accuracy and cost savings. Simultaneously, there are negative impacts on data privacy and exploitation. While we see only the advantages like any other new technology, we will start seeing the threats too, after mass deployment. This session will cover

- What is Artificial Intelligence (AI)?
- How does it Work in real life?
- Few Example Applications.
- Benefits and Positive Impact.
- Drawbacks and Negative Impact.
- AI: Past, Present, Future.
- How to use the Positives and avoid Negatives?
- Q & A

**About the Resource Person** - Sasindran Prabhu is M.Tech., PGDM by qualification. Professionally, he is a Senior Member in IEEE, Fellow in IETE, a certified Project Management Professional (PMP). He was a “Senior Program Manager” in CDOT (Centre for Development of Telematics, a Telecom research centre funded by Govt. of India) till the year 2000. He was involved in Digital Switching Systems right from Design till field trial and mass production. Later, he joined Tech Mahindra in 2001 and retired from there as “Senior Solution Architect” a couple of years ago. In Tech Mahindra, he was taking care of Testing Alcatel Lucent’s Digital Loop Carrier systems, British Telecom’s Broadband Gateway system along with Induction Training for the fresh engineers. He has also received awards like “Grand Salute”, “Guru” for Engineers’ Training and Capability Development.

Currently, he is a visiting faculty at KSSEM, Bangalore. He is taking care of Wireless 4G Broadband; Management & Entrepreneurship subjects based on VTU curriculum, coordinating and guiding final year B. Tech. student Projects. He is involved in giving FDP sessions in latest domains in Telecommunication Engineering, Behavioural Management topics.

**Hosted by:** School of CSE and School of ECE

KLE Technological University, Hubballi

**For any queries contact:** Prof. Sujatha C, sujata\_c@kletech.ac.in or Prof. Suneeta V. Budihal, suneeta\_vb@kletech.ac.in

|             |                |             |          |  |
|-------------|----------------|-------------|----------|--|
| <b>Date</b> | March 14, 2022 | <b>Time</b> | 03.00 PM | <b>Virtual link Details:</b> MS Teams platform |
|-------------|----------------|-------------|----------|--|

**Join through the MS teams meeting link:**

<https://teams.microsoft.com/l/meetup-join/19%3af44821720f144f27b943780a2fa6dd39%40thread.tacv2/1646370715796?context=%7b%22id%22%3a%224a6f289e-64c4-47d9-9f04-1432721feede%22%2c%22oid%22%3a%22ec239cb1-5c9d-407e-a249-f21df4cc014d%22%7d>

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## Guest of Honour :



**Dr. Prakash R Patil**

Professor and Head, MCA Department  
KLE Technological University

## Presenter :



**Ratish Iyer**

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## Know About Speakers...



**Prof. T. Ramasami**

Dr. T. Ramasami served Government of India as the Secretary, Department of Science and Technology during May 2006- 2014, He is currently distinguished professor of eminence at the Anna University, Chennai. During his tenure as Secretary, public investments into Research and Development scaled many fold. Some of the programmes initiated by DST like INSPIRE, PURSE, CURIE and many others have proved as game changers in the Indian science landscape. He was instrumental in the formulation of Science, Technology and Innovation Policy 2013 by the Government of India. He has contributed to more than 237 scientific publication and 8 chapters in books, 41 patents and development of 12 process know-hows. About 12 patents and all process know-hows have been commercialized. He is winner of more than 65 awards which include Shanti SwarupBhatnagar Prize for chemical sciences in 1993 and civilian honours, Padma Sri in 2001 and Padma Bhushan in 2014. He also received the IUCLTS Merit Award for the year 2021 for his contributions to leather science in the world.

Ashok Shukla is presently an Emeritus Professor at Indian Institute of Science, Bangalore. Through his, creative, interdisciplinary and cutting-edge research, Ashok Shukla has made extensive fundamental and applied contributions to the fields of storage batteries, redox-flow batteries, fuel cells and supercapacitors. He has authored over 325 scientific papers (More than 20,000 citations, h-index: 74 ) and has about two dozen technical patents to his credit. Professor Shukla has guided 24 Ph.D. students and has more than 30 years of teaching experience as Professor in India's premier R&D and academic institution, Indian Institute Science, Bangalore. He headed the CSIR-Central Electrochemical Research Institute, India, during 2003-2009, which is one of the largest R&D establishments in electrochemistry. He has been Associate Editors of the Journal of The Electrochemical Society and member of Editorial Advisory Boards of several international journals, such as Electrochimica Acta, Journal of Applied Electrochemistry, Ionics and Materials Science and Engineering, which provide testimony to his international academic standing.



**Prof. Ashok K. Shukla**



**Prof. Tejrjaj M. Aminabhavi**

Professor Tejrjaj M. Aminabhavi, presently the Director of Research at School of Advanced Sciences, KLE Technological University, Hubballi, and Diamond Jubilee Professor at Karnatak University, Dharwad has been identified as the world's most influential researcher by the Clarivate. He is among the top 1% highly cited researchers during 2021. Aminabhavi holds the honorary visiting professorship at Macquaire University, Sydney, Australia. Aminabhavi has published over 850 scientific papers in highly reputed journals with citations of 45000 and an H Index of 103. He has presented over 100 invited plenary talks at the national and international platforms including Hong Kong, Korea, UK and US and other countries. Currently, Aminabhavi is the co-editor of Chemical Engineering Journal, in addition to founder editor-in-chief of Materials Science for Energy Technologies and Sensors International (both from KeAi Publishers, a joint venture with Elsevier). He is serving as advisory board member on several international journals. Aminabhavi has been the visiting professor to several universities in the US, Europe, China, Korea and UK. He received two international awards, one from Japan in 2013, the Nikkei Asia Award and another Kwarizmi International Award from Iran in 2009.





**SCHOOL OF ADVANCED SCIENCES**  
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BVB CET Campus, Hubballi-580031, Karnataka

**CORDIALLY INVITE YOU FOR THE**  
**One Day Workshop On**  
**Writing Research Proposals**  
**& Scientific Articles**

**RESOURCE PERSONS**



**Prof. Ashok K. Shukla**  
Emeritus Professor,  
IISC, Bengaluru



**Prof. T. Ramasami**  
Former Secretary,  
DST, Govt. of India



**Prof. Tejraj M. Aminabhavi**  
Editor  
Chemical Engineering Journal

**Date: 21-03-2022**

**Time: 10.00 am to 5.00 pm | Venue: BT Auditorium**

**Dr. Nagaraj Shetti**  
Co-ordinator

**Prof. Tejraj Aminabhavi**  
Director Of Research

**Prof. Uma Mudenagudi**  
Dean, R&D



# One Day Workshop On Writing Research Proposals & Scientific Articles

Organized by

## School of Advanced Sciences

KLE Technological University, Hubballi-31

Date: 21-03-2022 | Time: 10.00 am to 5.00 pm | Venue: BT Auditorium

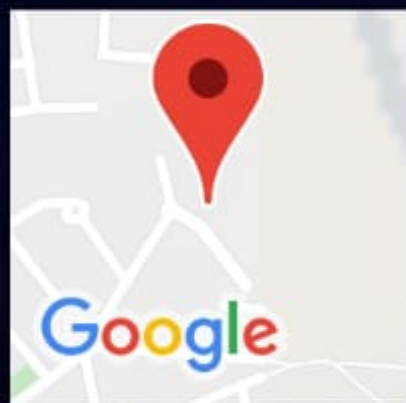
### Agenda

| Sl No.                   | Events  | Time                |
|--------------------------|---|---------------------|
| Registration             |   | 09.30 am - 10.15 am |
| <b>INAUGURATION</b>      |   |                     |
| 1                        | Welcome by Prof. Uma Mudengudi  | 10.15 am - 10.20 am |
| 2                        | About the workshop and Brief introduction of the Guest speakers by - Prof. Tejraj M. Aminabhavi | 10.25 am - 10.35 am |
| 3                        | Inaugural Remarks by Honorable Vice Chancellor - Prof. Ashok Shettar                            | 10.35 am - 10.45 am |
| <b>TECHNICAL TALK -1</b> |   |                     |
| 4                        | Introduction of Prof. T. Ramasami by Dr Nagaraj P. Shetti                                       | 10.45 am - 10.50 am |
| 5                        | Government Initiatives: Science and Higher Education Sector<br>Prof. T. Ramasami                | 10.50 am - 12.20 pm |
| <b>TECHNICAL TALK -2</b> |   |                     |
| 6                        | Introduction of Prof. T. M. Aminabhavi by Dr Nagaraj P. Shetti                                  | 12.20 pm - 12.25 pm |
| 7                        | Research Proposal Writing - Prof. T. M. Aminabhavi  | 12.25 pm - 12.55 pm |
| 8                        | Poster presentation - Prize Distribution  | 12.55 pm - 01.05 pm |
| LUNCH BREAK              |   | 01.05 pm - 02.00 pm |
| <b>TECHNICAL TALK -3</b> |   |                     |
| 9                        | Introduction of Prof. Ashok K. Shukla by Dr Nagaraj P. Shetti                                   | 02.00 pm - 02.05 pm |
| 10                       | Structuring Scientific & Technical Manuscripts<br>Prof. Ashok K. Shukla                         | 02.05 pm - 03.35 pm |
| TEA BREAK                |   | 03.35 pm - 03.45 pm |
| <b>TECHNICAL TALK -4</b> |   |                     |
| 11                       | Plagiarism, Review & Editorial Process of the submitted Articles<br>Prof. T. M. Aminabhavi      | 03.45 pm - 04.30 pm |
| 12                       | Concluding Remarks  | 04.30 pm - 04.45 pm |
| 13                       | Vote of Thanks by Dr Nagaraj P. Shetti  | 04.45 pm - 05.00 pm |





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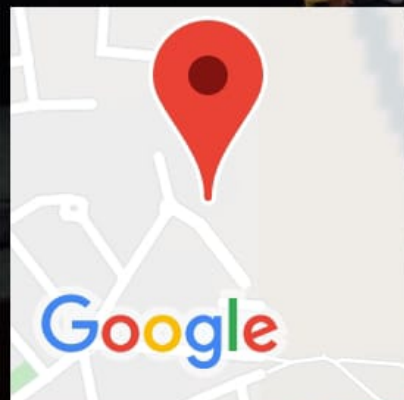


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| Longitude | 75.1240039 | 75°7'26" E  |

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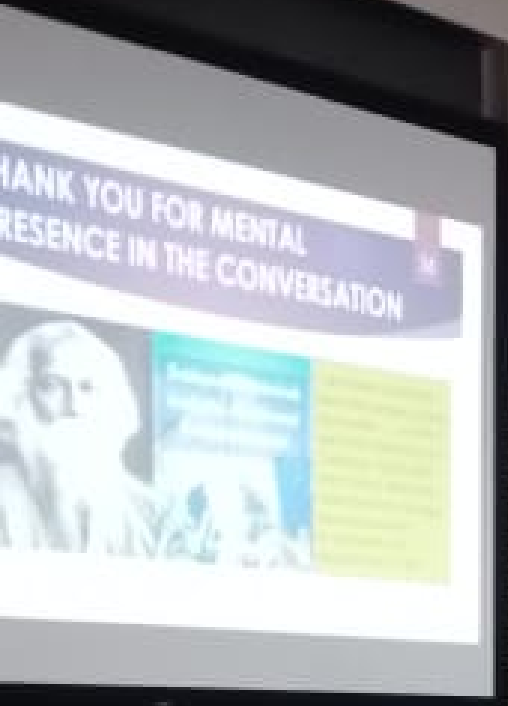


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

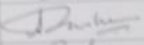
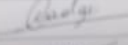


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

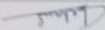

|    |                          |                     |  |   |
|----|--------------------------|---------------------|--|---|
| 12 | Girish Narayanas Desai   | Assistant Professor | Chemical Engineering                   |  |
| 13 | Dr. Savita Hanaji        | Assistant professor | Mathematics                            |   |
| 14 | Sandeep Kudal            | Assistant Professor | Electrical and Electronics Engineering |  |
| 15 | Dr. Dattaprasad A. Torse | Professor           | Computer Science and Engineering       |  |
| 16 | Abhijeet Baikerikar      | Assistant Professor | Civil Engineering                      |  |
| 17 | Vaibhav Badgi            | Assistant Professor | MBA                                    |  |
| 18 | Vijay Rayar              | Assistant Professor | Electronics and Communication          |  |
| 19 | Kunjani D Shirde         | Assistant Professor | Electronics and Communication          |   |
| 20 | Aishwarya Choukimath     | Assistant Professor | Civil engineering                      |   |
| 21 | Shweta Madiwalar         | Asst.Prof           | EC                                     |  |
| 22 | Dr. Sneha S. Hansekar    | Asso Professor      | Chemical Engineering                   |   |
| 23 | Shishir Patil            | Assistant Professor | EEE                                    |   |
| 24 | KEERTHANA G NAIK         | Assistant professor | Civil engineering                      |   |

|    |                          |                     |                |                             |
|----|--------------------------|---------------------|----------------|-----------------------------|
| 12 | Akhila D Khoday          | Lecturer            | BCA            | <i>Akhila</i>               |
| 13 | Shridevi Kuri            | Lecturer            | BCA            | <i>Shridevi</i> 21/03/2022  |
| 14 | Vishwanath Patil         | Asst Professor      | BCA            | <i>Vishwanath</i>           |
| 15 | Sidrameshwar V Ullagaddi | Librarian           | KLE BCA        | <i>Sidrameshwar</i> 21/3/22 |
| 16 | Manjunath Patil          | Lecturer            | BCA            | <i>Manjunath</i> 21/3/22    |
| 17 | Chandru Jathar           | Assistant Professor | BCA            |                             |
| 18 | Meghana Sandigawad       | Assistant professor | BCA            | <i>Meghana</i>              |
| 19 | Deepti Deshpande         | Assistant professor | BCA Department | <i>Deepti</i> 21/3/2022     |
| 20 | Megha surpur             | Student             | Chemistry      |                             |
| 21 | Prakashgouda Patil       | Student             | Chemistry      |                             |
| 22 | Vijayalaxmi C P          | Lecturer            | Chemistry      |                             |
| 23 | Puneet                   | *****               | Msc chemistry  |                             |



**Online registered participants  
P C JABIN SCIENCE COLLEGE: 23**

| #  | Name                     | Designation         | Department                        | Signature            |
|----|--------------------------|---------------------|-----------------------------------|----------------------|
| 1  | Tejaswini D Apte         | Lecturer            | BCA                               |                      |
| 2  | Leena V. Hublikar        | Assistant professor | Chemistry                         |                      |
| 3  | Shiddalingappa Kadakol   | Assistant Professor | BCA                               |                      |
| 4  | Sharada S Mulkipatil     | Lecturer            | BCA                               | <i>S. Mulkipatil</i> |
| 5  | M. S. Sethsanadi         | Assistant professor | Electronics                       |                      |
| 6  | Deeksha B Kenchanagoudar | Assistant professor | Bachelor of Computer Applications | <i>D. K.</i>         |
| 7  | Prof.Sushma Naikar       | Assistant Professor | Bachelor Of Computer Application  | <i>Sushma Naikar</i> |
| 8  | Sharan R Gudneshwarmath  | Student             | Botany                            |                      |
| 9  | Gagan Deep G             | Student             | Biotechnology                     |                      |
| 10 | Dheerendra Vadiraj       | Asst Prof           | Botany                            |                      |
| 11 | Rudrayya mudenurmth      | Asst Prof           | Electronics                       |                      |

|    |                                |                     |                                     |   |
|----|--------------------------------|---------------------|-------------------------------------|---|
| 13 | S C Sajjan                     | Professor           | Mechanical Engineering              |  |
| 14 | PRAKASH KERUR                  | Associate professor | Electrical & Electronics Engg       |  |
| 15 | Chetan Sagarnal                | Assistant Professor | ECE                                 |  |
| 16 | Anusha A M                     | Assistant professor | Ece                                 |   |
| 17 | Vishwas Patil                  | Assistant Professor | Electronics and Communication       |   |
| 18 | Prashant Hanasi                | Assistant Professor | ECE                                 |   |
| 19 | Mahaveer Chougala              | Assistant Professor | Electronics and Communication       |   |
| 20 | Namita Gokavi                  | Assistant professor | Ene                                 |   |
| 21 | Supriya Puttappaavar           | Assistant Professor | ECE                                 |   |
| 22 | J. Tejas Rayangoudar           | Associate professor | ECE                                 |  |
| 23 | Rakesh H.M                     | Assistant professor | ECE                                 |   |
| 24 | PRAMOD RAMACHANDRA<br>VERNEKAR | RESEARCH SCHOLAR    | CHEMISTRY                           |   |
| 25 | Geeta R. Bharamgoudar          | Professor           | Computer Science and<br>Engineering |   |

Online registered participants  
KLE Institute of Technology: 25




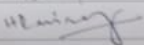





| #  | Name                  | Designation         | Department                       | Signature                |
|----|-----------------------|---------------------|----------------------------------|--------------------------|
| 1  | Shridhar Mathad       | Assistant Professor | Engineering Physics              |                          |
| 2  | Manu TM               | Professor           | ECE                              |                          |
| 3  | Veeresh B Karikatti   | Assistant Professor | Civil Engineering                | 18/8                     |
| 4  | Neelamma Gummagol     | Research scholar    | Physics                          |                          |
| 5  | Davalasab Ilager      | Research Scholar    | Chemistry                        |                          |
| 6  | Mahesh M. Shanbhag    | Research Scholar    | Chemistry                        | <i>M. Mahesh</i>         |
| 7  | Dr. Anita R Nandurkar | Assistant Professor | Physics                          | <i>Anita R Nandurkar</i> |
| 8  | Mahantesh Sajjan      | Asst Prof           | ISE                              |                          |
| 9  | Pradeep Suresh        | Asst. Professor     | Computer Science and Engineering | <i>P. Pradeep</i>        |
| 10 | Dr. Shikandar D B     | Assistant Prof.     | Chemistry                        | <i>D. Shikandar</i>      |
| 11 | AKSHAYKUMAR PATIL     | Assistant Professor | Mathematics                      |                          |
| 12 | Dr. Vinoda S.         | Professor and Head  | EEE                              | <i>V. Vinoda</i>         |

|     |                          |                     |   |  |
|-----|--------------------------|---------------------|---|--|
| 152 | Balachandra S Halemani   | Assistant Professor | School of Mechanical Engineering          |  |
| 153 | Rakesh P. Tapaskar       | Asst. Professor     | Automation and Robotics                   |  |
| 154 | Sunil V Gurlahosur       | Asst. Professor     | SoCSE                                     |  |
| 155 | Rekha                    | PhD scholar         | Biotechnology                             |  |
| 156 | Roshankumar Arya         | Assistant Professor | MATHEMATICS                               |  |
| 157 | Prema Malali             | Asst.Prof.          | Civil                                     |  |
| 158 | Dr. Varsha V Koppal      | Assistant professor | Physics                                   |  |
| 159 | Nirmala Sureshgoud Patil | Assistant Professor | School of Computer Science                |  |
| 160 | Rajashree M. Hodlur      | Assistant Professor | Physics                                   |  |
| 161 | Vinay M Talageri         | Assistant Professor | CEER                                      |  |
| 162 | REKHA HEBASUR            | Scholar             | Physics                                   |  |
| 163 | Shivprasad.M.Channangi   | Assistant Professor | CEER                                      |  |
| 164 | Shivaraj Halyal          | Assistant Professor | School of Civil Engineering               |  |
| 165 | Nandish Humbi            | Assistant Professor | CEER                                      |  |
| 166 | Jyoti Macha              | Assistant Professor | Mathematics                               |  |
| 167 | Sahana Kalligudd         | Assistant professor | Electrical and Electronics Engineering    |  |
| 168 | Priyadarshini Kalwad     | Assistant Professor | CSE                                       |  |
| 169 | Mahantesh Halagatti      | Associate Professor | School of Management Studies and Research |  |
| 170 | Zareenkousar Kazi        | Ph. D scholar       | Biotechnology                             |  |
| 171 | Dr. Shivananda Seeri     | Associate Professor | Master of Computer Applications           |  |



|     |                             |                            |                                  |  |
|-----|-----------------------------|----------------------------|----------------------------------|--|
| 133 | Pooja Shettar               | Assistant Professor        | Computer Science                 |  |
| 134 | Manjula K Pawar             | Assistant professor        | Computer science and engineering |  |
| 135 | Amit V Kachavimath          | Assistant Professor        | MCA                              |  |
| 136 | Mr. Hanumanthagouda R Patil | Assistant Professor        | Electrical and Electronics Engg  |  |
| 137 | Vinayak N Kulkarni          | Asst. Professor            | School of Mechanical Engineering |  |
| 138 | Shreya Shivkumar Shettar    | Research Scholar           | Biotechnology                    |  |
| 139 | Archana Girish Revankar     | Research Scholar           | Department of Biotechnology      |  |
| 140 | Manu Naik                   | Research scholar           | Chemistry                        |  |
| 141 | Shashikala                  | Asst.Prof                  | MCA                              |  |
| 142 | Yuvarajgouda                | Research scholar           | Chemistry                        |  |
| 143 | Unnati Koppikar             | Assistant Professor        | CEER                             |  |
| 144 | Dipanwita                   | Associate professor        | Architecture                     |  |
| 145 | Aishwarya Kamatagi          | Assistant professor        | EEE                              |  |
| 146 | Prashant Narayankar         | Assistant Professor        | SOCSE                            |  |
| 147 | Yogesh Shanbhag             | Research scholar           | Chemistry                        |  |
| 148 | vijaykumar H Bhajantri      | Research scholar - student | Computer science & Engineering   |  |
| 149 | Shivalingappa Battur        | ASST proff                 | SoCSE                            |  |
| 150 | Roopa S Algur               | Asst Proff                 | Mathematics                      |  |
| 151 | Guruprasad.Konnurmth        | Assistant Professor        | SoCSE                            |  |

**Online registered participants**  
**Dr. M.S. Sheshgiri College of Engineering & Technology, Belagavi 37**

| #  | Name                   | Designation         | Department                         | Signature   |
|----|------------------------|---------------------|------------------------------------|---|
| 1  | Dr. Sanjay Hanji       | Professor           | MBA                                |  |
| 2  | Basavanappa S. Durgi   | Associate Professor | Engineering Science and Humanities |  |
| 3  | Dr. Sateesh N Hosamane | Associate professor | Chemical                           |   |
| 4  | Gujanatti Rudrappa     | Assistant Professor | Electronics and Communication      |  |
| 5  | Dr. R H Havaladar      | Professor           | BM                                 |  |
| 6  | Virendra Malemath      | Professor           | CSE                                |   |
| 7  | Dr Manisha Tapale      | Associate Professor | Computer Science and Engineering   |  |
| 8  | Niranjn Pattar         | Assistant professor | Mechanical engineering             |  |
| 9  | Veerendrakumar C Khed  | Associate Professor | Civil Engineering                  |  |
| 10 | Savita S. Hanji        | Assistant professor | Computer Science and Engineering   |  |
| 11 | Abhinay Gupta          | Assistant Professor | Electrical and electronics         |  |

12 Umith Kadagi

Associate  
prof

ME



13 Dr. C.M. Patil

"

CV





**KLE** Technological  
University  
Creating Value  
Leveraging Knowledge



**Karnataka State  
Higher Education Academy,  
Dharwad**



**One Day Workshop on  
“Role of Literature Survey in Research”**

**For  
Faculty of KLE Technological University, Hubballi.**

***Literature survey, the backbone of quality research***

Literature survey is very critical in performing quality research. It is the eye-opening route to identify contemporary issues in research and related methods and process that we need to adopt. Knowing past literature also helps in identifying both gaps in the literature and the connectivity peaks that were not addressed before. With the data accumulated, study of others' work is important to identify ways to interpreting of data in light of existing theories. For global validation of our results, it is important to present it in comparison with the credible results in the literature to claim equivalence.

Thus, understanding and using literature enhances the quality of research at every stage of the work, and cumulatively enables the research to publish credible and quality publications.

**PROGRAMME SCHEDULE**

**Date: 09-08-2022**

***Resource Person: Prof. S. M. Shivaprasad, Director, KSHEA, Dharwad.***

| <i>Time</i>          | <i>Topic</i>                                    |
|----------------------|---|
| 09.15 am to 09.45 am | Breakfast & Registration                        |
| 10.00 am to 11.30 am | Literature in Research plan & Design            |
| 11.30 am to 11.45 am | Tea Break                                       |
| 11.45 am to 01.15 pm | Literature in Data Collection & Analysis        |
| 01.15 pm to 02.00 pm | Lunch Break                                     |
| 02.00 pm to 03.30 pm | Literature in Inferring & Communicating Results |
| 03.30 pm to 04.00 pm | Photo Session & High Tea                        |

**Venue: KSHEA, Karnatak University Campus, Dharwad.**

*Deans*

*Dr. H. B. Neelgund,  
Dr. Arundhati Kulkarni,  
Dr. I. B. Satihal.*

*Librarian*

*Dr. M. N. Mulimani*

*Director*

*Prof. S. M. Shivaprasad*

*Co-ordinator  
Smt. Deepa S. Garag*

## ABOUT THE WORKSHOP

### Literature survey, the backbone of quality research

Literature survey is very critical in performing quality research. It is the eye-opening route to identify contemporary issues in research and related methods and process that we need to adopt, knowing literature also helps in identifying both gaps in the literature and the connectivity peaks that were not addressed before. With the data accumulated, study of others work is important to identify interpretation of data in light of existing theories. For global validation of our results, it is important to present it in comparison with the credible results in the literature to claim equivalence. Thus, understanding and using literature enhances the quality of research at every stage of the work, and cumulatively enables the research to publish credible and citable publications.

## ABOUT THE RESPORCE PERSON

### PROF. S. M. SHIVAPRASAD



Professor S. M. Shivaprasad is the Director of the Karnataka State Higher Education Academy at Dharwad and also a Senior Scientist and Professor at the Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru. He did his Graduation, Post-Graduation and PhD in Physics from Karnataka University, Dharwad. Prof. Shivaprasad has worked as visiting scientist at IIT-Delhi, Sussex-UK, NIST and Rutgers University-USA, University of Ulm in Germany & Tohoku University, Japan. He was a Senior Scientist at National Physical Laboratory, New Delhi for two decades before joining JNCASR. He has published 300 research paper in International Journals and authored/edited three monographs. He is the recipient of the CSIR Young Scientist Award from the President of India, Raja Ramanna State Govt. Senior Scientist Award. The MRSI Medal, Superconductivity and Material Science Prize and Distinguished Lectureship Award, the CNR Rao Oration Award, Honorary Doctorate form VSK University, CSIR-NPL Outstanding Scientists Award, etc. He has been the Indian Representative to the International Union of Vacuum Science Technology Applications, USA, World Materials Research Institutions Forum, Japan and Europe-India Cooperation for Nanotechnology, Netherlands. He is also the Vice President for Material Research Society of India (MRSI), India.



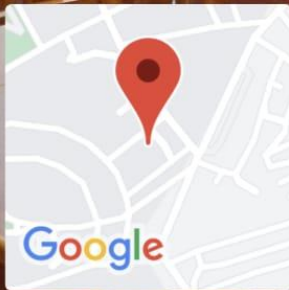


GPS Map Camera



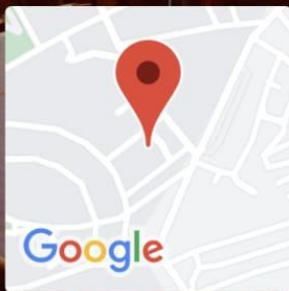
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Karnataka University Golden Jubilee Building, Campus,  
Karnatak University Campus, Dharwad, Karnataka 580003,  
India  
Lat 15.434533°  
Long 74.98783°  
09/08/22 09:59 AM





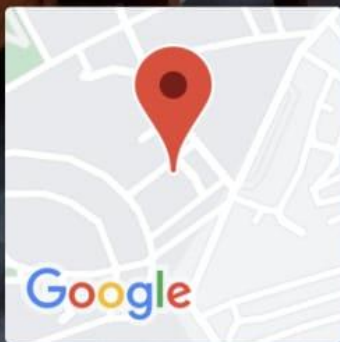
### Dharwad, Karnataka, India

Karnataka University Golden Jubilee Building, Campus, Karnatak  
University Campus, Dharwad, Karnataka 580003, India  
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Long 74.987862°  
09/08/22 09:58 AM



### Dharwad, Karnataka, India

Karnataka University Golden Jubilee Building, Campus, Karnatak  
University Campus, Dharwad, Karnataka 580003, India  
Lat 15.434446°  
Long 74.987878°  
09/08/22 09:58 AM



## Dharwad, Karnataka, India

Karnataka University Golden Jubilee Building, Campus,  
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India

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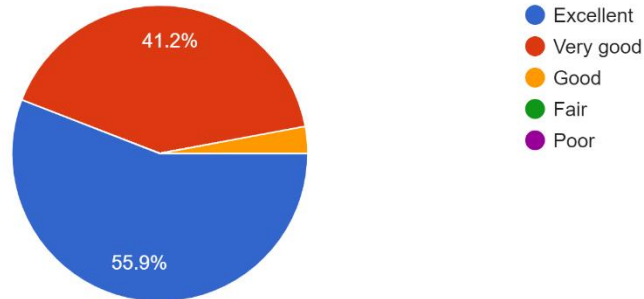




# FEEDBACK ABOUT THE WORKSHOP

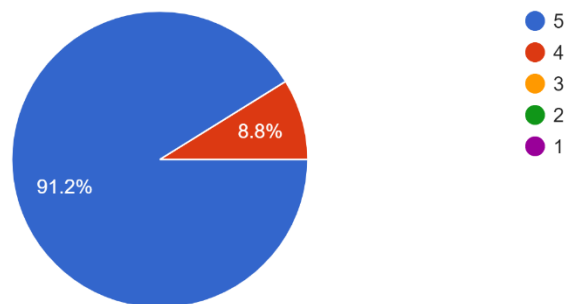
Did the content/objectives of the workshop met your expectations?

34 responses



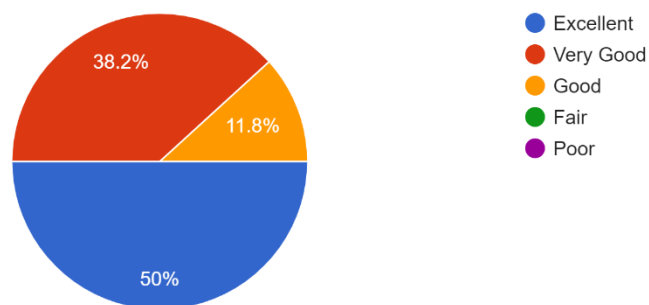
Rate the knowledge of Resource Person Prof. S.M.Shivaprasad

34 responses



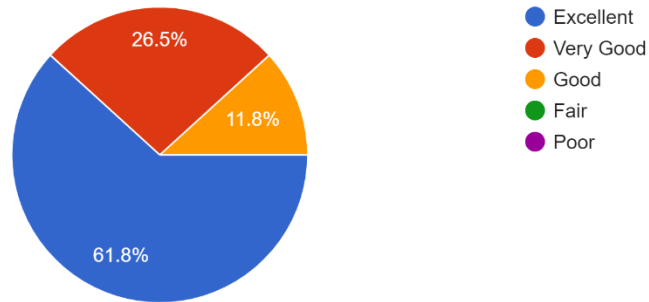
Are the activities/Case studies presented during the Workshop relevant and effective?

34 responses



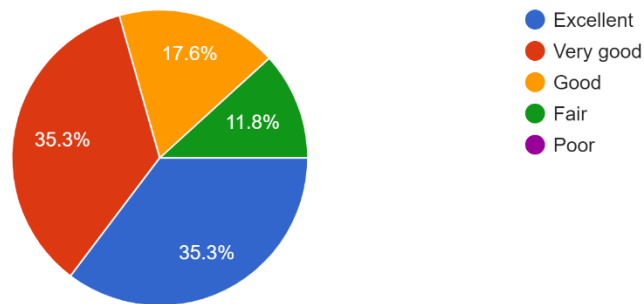
### How effectiveness was the Time Management in the Workshop

34 responses



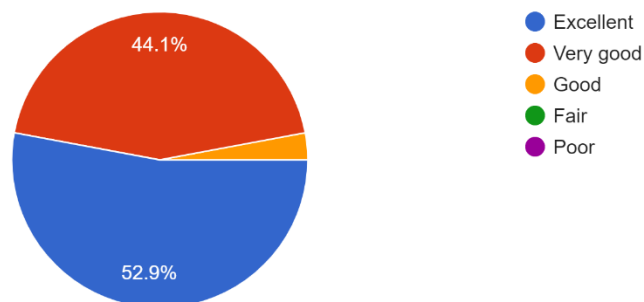
### Rate your over all knowledge level about the topic covered before attending the session?

34 responses



### Rate your over all knowledge level about the topic covered after attending the session?

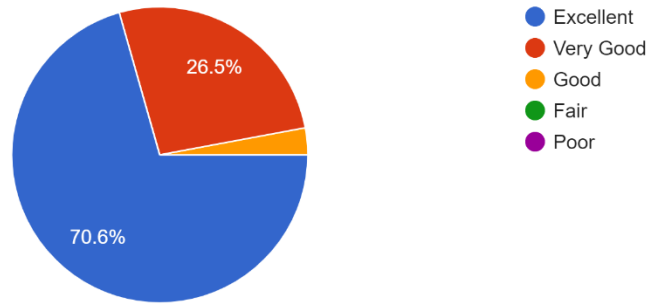
34 responses





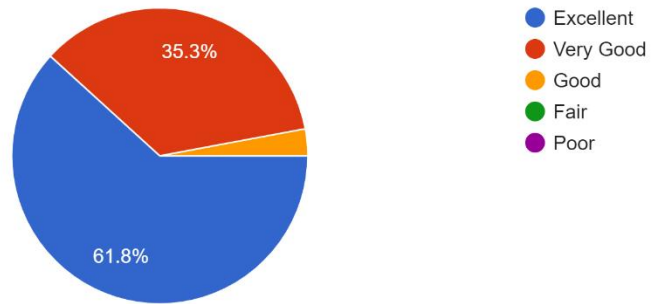
### Rate the hospitality, arrangements done during this Workshop

34 responses



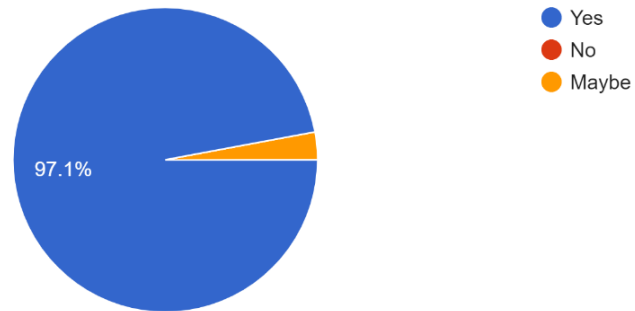
### Rate the overall effectiveness of the Workshop

34 responses



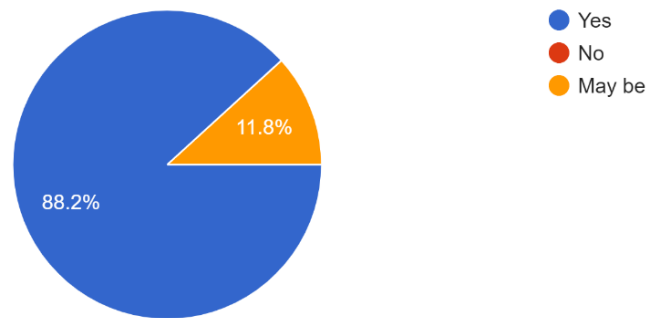
Do you endorse this Workshop to your colleagues?

34 responses



Will you attend a Workshop conducted in this area at a higher level?

34 responses





Karnataka State Higher Education Academy, Dharwad









## One day Workshop on "Role of Literature Survey in Research" for KLE Technological University Faculty

**9th August, 2022**











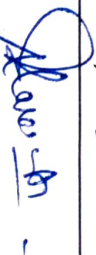


**Registration**

\* The same data will be entered in the Certificate

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| 30      | SHIVANANDAGOUDA PATIL       | 9916286501     | Mechanical | shivanagouda_p@kletech.ac.in |    |
| 31      | BALACHANDRA S HALEMANI      | 9738347126     | Mechanical | balachandra@kletech.ac.in    |    |
| 32      | SHIVANAND P PRABHUSWAMIMATH | 9448838690     | Mechanical | shivanand@kletech.ac.in      |    |
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| 46      | RADHIKA AMASHI         | 7795632263     | Others     | radhika.amashi@kletech.ac.in |    |
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| 48      | SHRIDHAR DODDAMANI     | 7411556418     | Robotics   | Shridhar_d@kletech.ac.in     |   |
| 49      | SHILPA V TANVASHI      | 9449692168     | Robotics   | shilpa_t@kletech.ac.in       |   |
| 50      | CHANNAVVA KOLANUR      | 9844856369     | Robotics   | cb.kolanur@kletech.ac.in     |   |
| 51      | Jyoti Macha            | 8095660880     | Madamadies | iyoti.sidnal@kletech.ac.in   |    |
| 52      |                        |                |            |                              |   |

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| 54      |                 |                |            |                           |           |
| 55      |                 |                |            |                           |           |
| 56      |                 |                |            |                           |           |
| 57      |                 |                |            |                           |           |
| 58      |                 |                |            |                           |           |
| 59      |                 |                |            |                           |           |
| 60      |                 |                |            |                           |           |

**Report  
on  
One Day Hands-on Training programme on  
MENDELEY Reference Tool Manager  
27<sup>th</sup> May 2022**

One day Hands-on Training Programme on MENDELEY a Reference Tool Manager was organized by the Central Library, K L E Technological University in support of R & D Cell for Nominated Faculty Members from School/Departments and Constituent Colleges of KLE Technological University on 27<sup>th</sup> May 2022 at MCA department. The Training Programme received an overwhelming response with 45 Participants from all the Schools/Departments.

| Sl.No | Name of the Institutions  | No.of Participants |
|-------|---|--------------------|
| 1     | KLE TECHNOLOGICAL UNIVERSITY  | 38                 |
| 2     | KLE Dr. M S Sheshagiri College of Engineering and Technology Belagavi | 3                  |
| 3     | KLE College of Engineering and Technology, Chikodi                    | 2                  |
| 4     | KLE Institute of Technology, Hubballi                                 | 2                  |

The Inaugural Ceremony begins at 10:00 am, the Chief Librarian Dr Shivaputrappa Kattimani welcomes the dignitaries and is briefed about the objective of the said training programme.

Chief Guest and the Resource Person Dr Shivaram B S and along with other dignitaries have inaugurated the programme by Watering the Plant.

Dr Raju Raikar, Dean R & D KLE MSSCET addressed the importance of the Mendeley in his presidential address, Dr Srinivasa D Desai Member Coordinator R & D Cell and Dr Anil Badiger, Professor School of Mechanical Engg and the LiMCo coordinator are explained the usefulness of the Mendeley in Research Activities.

Mr Suresh Horakeri proposed a vote of thanks and Dr S V Desai Professor Biotechnology Department Mastering the Ceremony.

During the valedictory ceremony feedback have been collected and also few participants share their opinions about the training programme. Certificates were issued to all the participants from the dignitaries. The programme ended with a photo session followed by high tea.

Thanking you

Yours faithfully

30/05/2022

Dr. Shivaputrappa Kattimani  
Chief Librarian & Coordinator





## Inauguration by watering the plant



## Chief Guest Address



Research Workshop on

# **Modern Trends in OS for high-speed computation**

By

Ravi Subramanian, Eklakshya Pvt Ltd, Bengaluru

On

28th May 2022

Organized by

School of Computer Science & Engineering

## About the Workshop:

The progress in high-performance computing (HPC) over the past 20 years is really remarkable. [Figure 1](#) shows the performance of the Top500 list of supercomputers [1]. Although there are new more appropriate performance tests being developed [2], currently performance is measured on a dense matrix–matrix multiplication test which has questionable relevance to real applications. In particular, it is compute-dominated and does not exercise the memory subsystem as much as most real applications. Nevertheless, the figure captures the incredible advances in processor technology and all of the accompanying aspects of computer system design, such as the memory subsystem and networking, which have delivered a factor of 2 increase in performance every 18 months.

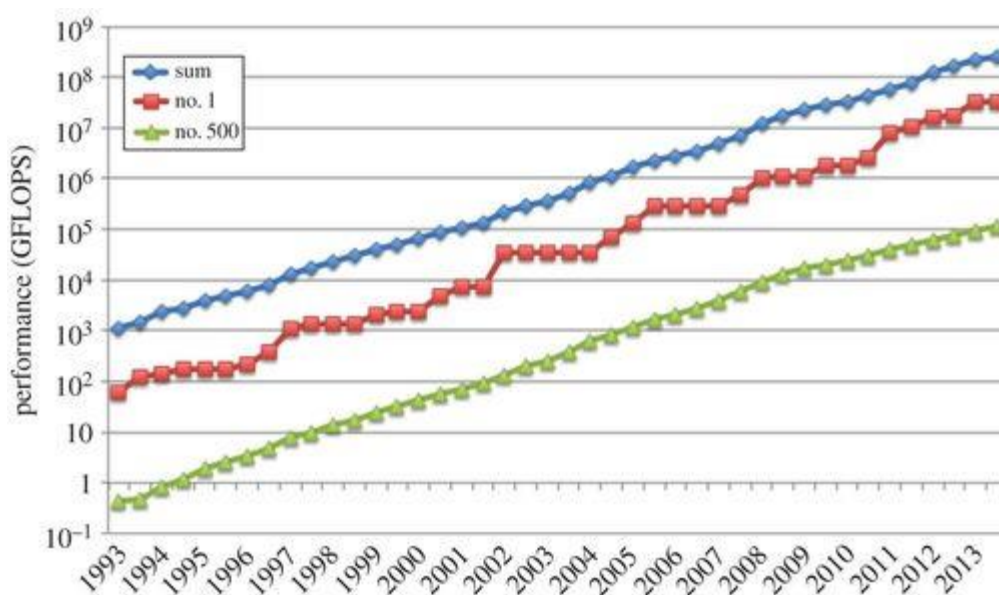


Figure 1. Data showing performance of Top500 supercomputers on the LINPACK test over the past 20 years. The top line is the sum of the top 500 systems, the middle line is no. 1, and the bottom line is no. 500 [1]. (Online version in colour.)

It appears that we can safely predict similar growth over the next 10 years. That is the good news; the bad news is that this is being achieved through a huge increase in complexity in the hardware, and this is inevitably complicating the software challenge of exploiting the hardware and trying to achieve a good fraction of its peak potential.

The purpose of this article is to document the changes which have taken place in processor and system design in recent years, and outline some of the likely developments in the next 10 years. This then leads into a discussion of how software is evolving, the challenges which are being faced, and some of the new directions being explored to address them. It concludes with a discussion of the implications for researchers developing new computational fluid dynamics (CFD) codes; what should they think about in designing their new codes, and how can they avoid being locked into any one particular architecture.



An applications person might question why articles like this usually proceed in this sequence: hardware, software, application. In an ideal world, all three might be integrated, and indeed one of the current buzz-words in HPC is 'co-design' which aims to do this for certain critical applications, particularly in the USA [3]. However, the commercial reality is that HPC sales are small compared with the rest of the computer industry. Increasingly, processor development is being driven by the needs of smartphones, tablets, car entertainment/navigation systems and other mobile applications. This is one of the reasons why energy efficiency is a critical concern, although it is also the case that the electricity cost for a major supercomputer can be comparable to its purchase price when spread over its useful lifetime. For example, considering just a single 100 W CPU, if electricity costs 10 p kWh<sup>-1</sup> then the 3 year electricity cost is approximately £250, compared with a CPU purchase price of £200–1000, depending upon the model. It is also interesting to look at the history of power consumption of the top supercomputers over the past 30 years:

- in 1977, the Cray-1 used 115 kW,
- in 1985, the Cray-2 used 150–200 kW,
- in 1993–96, the Japanese Numerical Wind Tunnel used 500 kW,
- in 2005, the top-ranked IBM Blue Gene/L used 716 kW, and
- today's no. 1, the Chinese Tianhe-2 Xeon Phi system, uses 17 MW.

This growth in power consumption is not sustainable.<sup>1</sup>

Hence, to a large extent the hardware does come first in practice, and then the software is designed to achieve the best possible performance on that hardware. If small changes to the hardware can produce major improvements for HPC applications, then those will often be implemented, but the processors and memory subsystem are not designed primarily for HPC applications. Only the highest performing networking is custom-designed for HPC.

In reading the article, the key themes to note are:

- energy efficiency has become very important; this is what has led to the rise of multicore and manycore processors;
- the cost, in both energy and time, of moving data is greater than the cost of performing computations on it; this has major implications for processor/system design and will become a major concern to most application developers; and

— applications must have a very high degree of natural parallelism to exploit all of the processing cores.

## About Resource Person

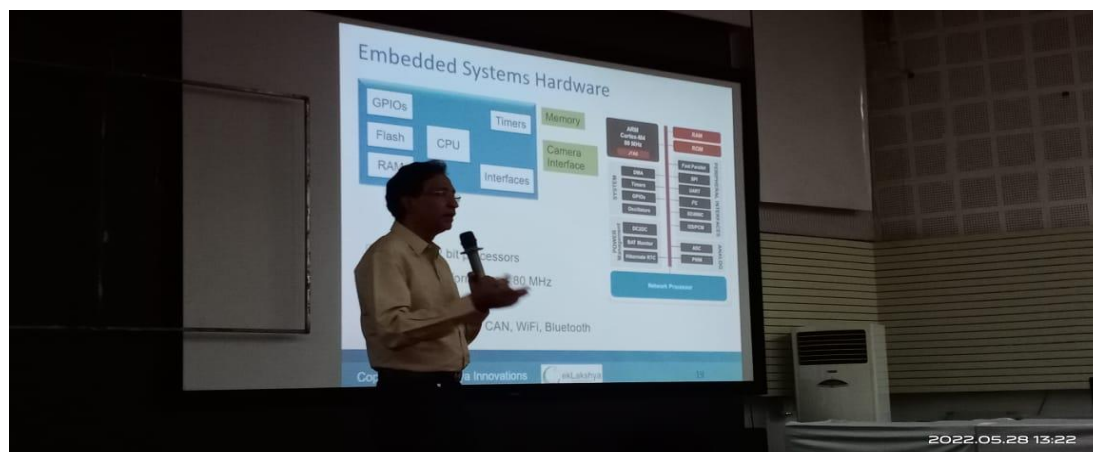


25+ years of experience in high technology domains - Embedded Systems, Internet of Things, Product Engineering, Innovation Management and Intellectual Property Development, Consulting and Training. Strong exposure to hiring, building and developing high performance teams.

Conducted trainings programs on IoT at foundational and advanced level for Corporates. Conducted Faculty Development Programs on IoT, Python at engineering colleges, including an FDP at NIT Calicut. Delivered training programs for IoT, Python and C for engineering college students and early career professionals. Recently developed a training program on System Verilog

He is part of technical recruitment panel at Texas Instruments, Bally Technologies and Startups. Led campus recruitment at several institutions including IITs. Created recruitment processes, screening tests and evaluation criteria. Rich experience in Interviewing hundreds of candidates across campus freshers, junior to senior professionals.

# Photo during workshop







## A Knit Space Presentation

# Knit-101 Workshop Report (Model Thinking)

Code: **KNIT-101**

Total Course Duration: 50 Hours (25 contact hours + 25 effort hours)

Date: 21 to 24 June 2022

### Why take the course model thinking?

- ✚ To enhance problem solving skills
- ✚ To understand the real time implication of models
- ✚ To think in terms of models and infer rules and behaviours
- ✚ To better understand system and data to improve decision making skills

### Course Fee:

Free. There is no registration fee.

### Course Certificate:

A course completion certificate will be provided on meeting the following conditions:

- ✚ Attend all the sessions scheduled from 21 to 24 June 2022
- ✚ Complete all the assessments scheduled after the course completion as per deadlines
- ✚ Complete the course feedback

### Assessments:

- ✚ The course will have assessments worth 100 points
- ✚ There will be assignments and open book exams
- ✚ To pass the course, one need to score a minimum of 35 points
- ✚ Certificate of distinction will be provided on scoring more than 80 points

### Important Notes:

- ✚ Kindly register for the course only if you can commit to attend all the session and complete all the assessments.

## KNIT-101

- ✚ The course is open for first 30 students on first come first serve basis. The registration will be confirmed via email.



### Contact Hours:

| Day | Date                      | Time           | Plan   |
|-----|---------------------------|----------------|--|
| 01  | 21 June 2022<br>Tuesday   | 10.00 to 10.30 | Introduction to the workshop and why model think. Discussion with participants. Setting the course expectations. |
|     |                           | 10.30 to 12.30 | Understanding the life of a Gig worker. Designing a model.   |
|     |                           | 12.30 to 1.00  | Activity: Patterns in the cave   |
|     |                           | 1.00 to 2.30   | Lunch Break  |
|     |                           | 2.30 to 4.00   | Schelling's Segregation model: design, analysis and applications   |
|     |                           | 4.00 to 4.15   | Break  |
|     |                           | 4.15 to 6.00   | Conway's Game of Life  |
| 02  | 22 June 2022<br>Wednesday | 10.00 to 11.00 | Why Model? Modeling abstractions.  |
|     |                           | 11.00 to 11.30 | Behaviour models   |
|     |                           | 11.30 to 12.30 | Activity: Zombie World   |
|     |                           | 12.30 to 1.00  | Standing Ovation Model   |
|     |                           | 1.00 to 2.30   | Lunch Break  |
|     |                           | 2.30 to 4.00   | Life in basic shapes and sizes   |
|     |                           | 4.00 to 4.15   | Break  |
|     |                           | 4.15 to 6.00   | Models amongst us - an inspiration to the pathway of why models  |
| 03  | 23 June 2022<br>Thursday  | 10.00 to 11.30 | Biases in data   |
|     |                           | 11.30 to 12.30 | Understanding Lyapunov   |
|     |                           | 12.30 to 1.00  | Granovetter's Model  |
|     |                           | 1.00 to 2.30   | Lunch Break  |
|     |                           | 2.30 to 3.00   | Understanding India Stack Architecture   |
|     |                           | 3.00 to 3.30   | Colonel Blotto   |
|     |                           | 3.30 to 4.00   | Urn Models, Polya Process and Prisoner's Dilemma   |
|     |                           | 4.00 to 4.15   | Break  |
|     |                           | 4.15 to 6.00   | Social Models  |
| 04  | 24 June 2022<br>Friday    | 10.00 to 1.00  | Building a new machine for AI and understanding machine thinking from Sanskrit principles.                       |
|     |                           | 1.00 to 2.30   | Lunch Break  |
|     |                           | 2.30 to 4.00   | Activity: Planning a trek  |
|     |                           | 4.00 to 4.15   | Break  |

## **KNIT-101**

|  |  |              |                    |
|--|--|--------------|--------------------|
|  |  | 4.15 to 5.00 | Natural Order      |
|  |  | 5.00 to 5.30 | Concluding remarks |

### **Effort Hours:**

| <b>Assessment</b> | <b>Type</b>                  | <b>Open Date</b> | <b>Submission Date</b> | <b>Marks</b> |
|-------------------|------------------------------|------------------|------------------------|--------------|
| 01                | Design Exam                  | 01 July 2022     | 30 June 2022           | 20           |
| 02                | Design Study                 | 01 July 2022     | 30 July 2022           | 20           |
| 03                | Case Study Report Submission | 04 July 2022     | 30 July 2022           | 20           |
| 04                | Concept Understanding        | 04 July 2022     | 30 July 2022           | 20           |
| 05                | System Design                | 10 July 2022     | 30 July 2022           | 20           |

### **Further Notes:**

- ✚ All deadlines are EOD
- ✚ In case of emergencies, deadline can be extended with a minimal late penalty
- ✚ All submissions will be via email
- ✚ The course completion certificate will carry the marks obtained

To register for the course: [tinyurl.com/knit-101-registration](https://tinyurl.com/knit-101-registration)

Resource Person:

Prakash Hegade, Knit Space, Hubballi-31

Guest Sessions:

Vibha Hegde and Nikhil Lingadhal (Alumni, 2020 passout)

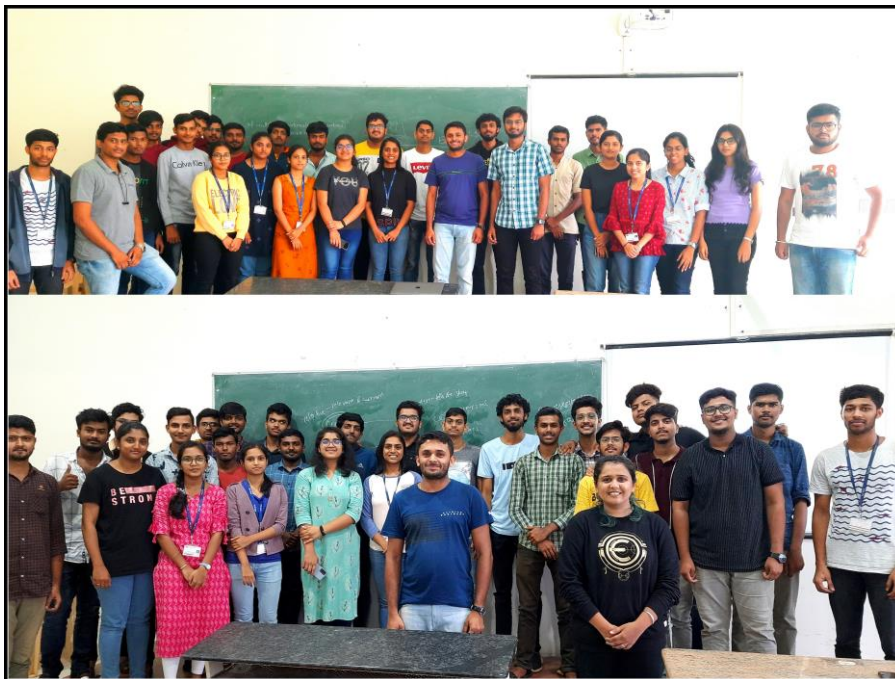


*KNIT-101*

Class Photo:



Photo with Guest:







# WOMEN IN DATA SCIENCE HUBBALLI

## WiDS Datathon Workshop 2022



Regional Event Organizer:

**KLE Technological University, Hubballi, Karnataka, India**

Online Workshop:  
12th and 13th February 2022

Women in Data Science (WiDS) Datathon is a global initiative led by Stanford University, which aims to inspire women worldwide to learn more about data science. It also creates a supportive environment for women to connect with others in their community who share their interests.

KLE Technological University, Hubballi is hosting a datathon workshop to support the WiDS global datathon challenge focusing on the environment and climate change.

WiDS Datathon Workshop



## Patron

**Dr. Ashok Shettar, VC**

## Advisory

**Prof. B. L Desai**

**Prof. N. H Ayachit**

**Prof. Uma Mudenagudi**

## WiDS Ambassadors

**Dr. Meena S.M**

**Dr. Sujatha C**

## Organizing Committee

**Dr. P. G Sunita H**

**Dr. Shankar Gangisetty**

**Dr. Shantala G**

**Ms. Padmashree Desai**

**Mr. Uday K**

**Ms. Neha T**

**Mr. Sunil G**

**Ms. Priyadarshini Patil**

## Event Dates

**12th Feb 2022**

**13th Feb 2022**

## Email Address:

**[wids-hubli@kletech.ac.in](mailto:wids-hubli@kletech.ac.in)**

## Website:

**[wids.kletech.ac.in](http://wids.kletech.ac.in)**

## About WiDS Datathon:

*WiDS Datathon* aims to hone the data science skills, joining teams in a social impact challenge focused on the environment and climate change. The datathon challenge participants will analyze differences in building energy efficiency, creating models to predict building energy consumption. Participants will use a dataset consisting of variables that describe building characteristics of climate and weather for the regions in which the buildings are located.

In support of the global Datathon, WiDS Hubballi is hosting a *Datathon Workshop* to help the participants hone required data science skillsets and participate effectively. Kaggle grandmaster and data science experts will engage sessions in this workshop and provide customized guidance to participants to ace this datathon challenge successfully. The participants acquire knowledge of navigating the Kaggle platform effectively, data processing, model development, testing, submitting the solution, and sharing the learnings globally.

## Workshop details

### Day 1

Date: 12th Feb 2022 at 09:30 am IST

Topic: Datathon enabling Data Science for Social Good

Speaker: Ms. Srujana Kaddevarmuth,

Senior Director, Walmart Global Technology

### Day 2

Date: 13th Feb 2022 at 03:30 pm IST

Topic: WiDS 2022 Datathon Solution walkthrough

Speaker: Ms. Usha Rengaraju,

Principal Data Scientist, MUST Research

## Register for the workshop:

**<https://forms.gle/mRduNKJcVYPH55a2A>**





**WOMEN IN DATA SCIENCE**  
HUBBALLI



**WiDS Datathon Workshop**  
**Online Workshop: 12th and 13th February 2022**  
**Regional Event Organizer: KLE Tech University, Hubballi, Karnataka, India**

**Agenda**

**Day 1: 12/02/2022**

| <b>Time in IST</b>  | <b>Session</b>   |
|---------------------|--|
| 9:30 am - 9:45 am   | Opening remarks of the workshop  |
| 9:45 am - 10:15 am  | Key Note 1: Dr. Meena S.M  |
| 10:15 am - 11:15 am | Workshop session:<br>Topic: Datathon enabling Data Science for Social Good<br>Speaker: Ms. Srujana Kaddevarmuth, Senior Director,<br>Walmart Global Technology |
| 11:15 am - 11:30am  | QnA/Discussion   |
| 11:30 am - 11:35 am | Closing remarks of the workshop  |

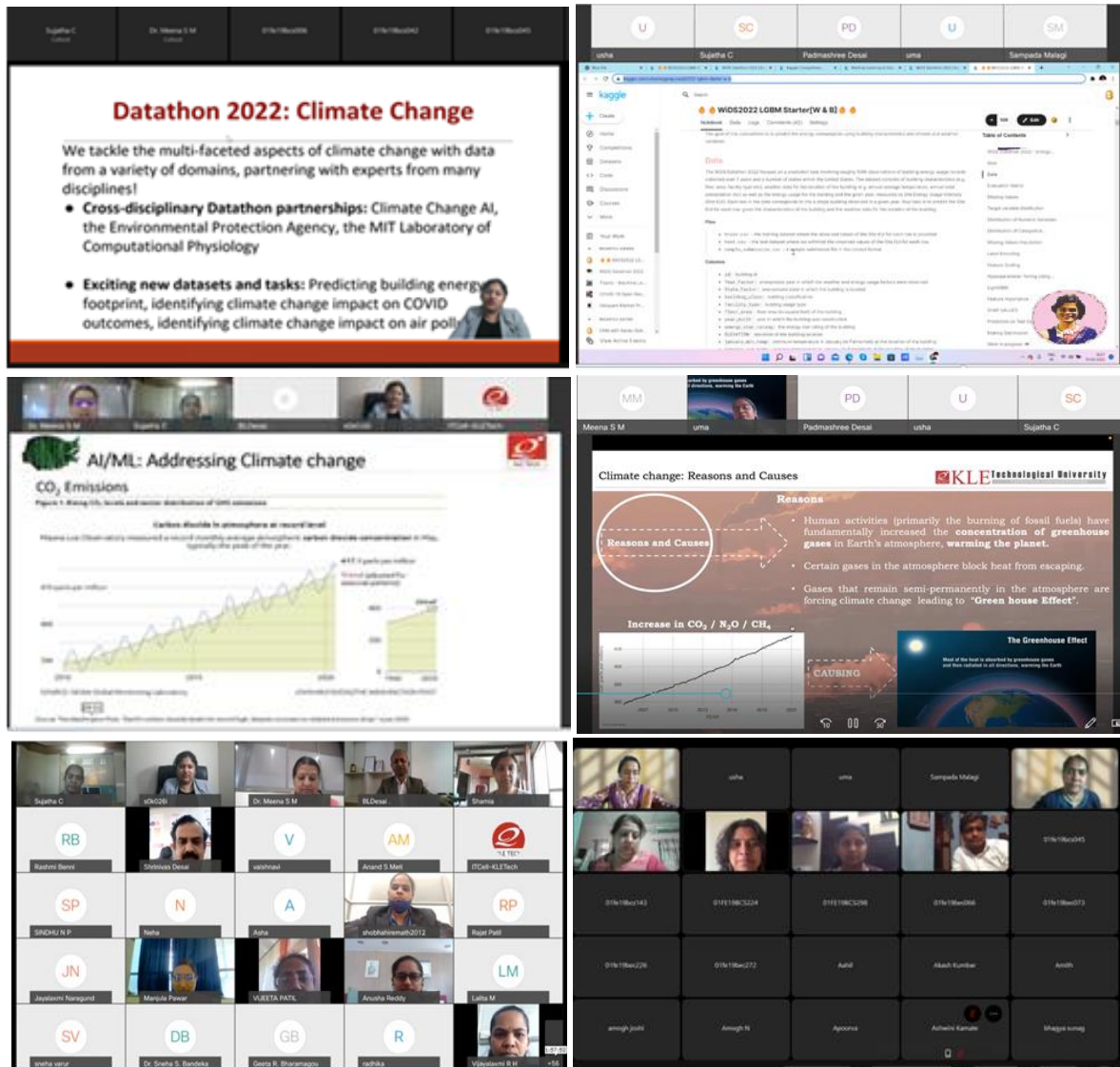
**Day 2: 13/02/2022**

| <b>Time in IST</b> | <b>Session</b>   |
|--------------------|--|
| 3:30 pm - 3:45 pm  | Opening remarks of the workshop  |
| 3:45 pm - 4:15 pm  | Key Note 2: Dr. Uma Mudengudi  |
| 4:15 pm - 5:15 pm  | Workshop session:<br>Topic: WiDS 2022 Datathon Solution walkthrough<br>Speaker: Ms. Usha Rengaraju, Principal Data Scientist,<br>MUST Research |
| 5:15 pm - 5:30 pm  | QnA/Discussion   |
| 5:30 pm - 5:35 pm  | Closing remarks of the workshop  |



## WiDS Datathon 2022 Regional Workshop Highlights

WiDS Hubballi: [WiDS Datathon 2022 Workshop Highlights \(widsconference.org\)](https://widsconference.org)



WiDS Hubballi hosted a two-day workshop on 12<sup>th</sup> & 13<sup>th</sup> February 2022 to support the Global WiDS Datathon challenge. The aim of this workshop was to enable the participants to hone required data science skillsets to participate effectively and contribute to the solutions. The first day of the workshop had keynote address by **Dr. Meena S.M** on the topic “**AI/ML and Climate Change**” to echo the theme of the challenge and the prevalent local climatic issues. A session by **Ms. Srujana Kaddevarmuth** on “**Datathon enabling Data Science for Social Good**” was engaged to provide insights of the datathon and data science. On the second day of the workshop a keynote was addressed by **Dr. Uma Mudengudi** on “**Role of AI and Data:**



**WOMEN IN DATA SCIENCE**  
HUBBALLI



**Effect on Heritage”** to cater about the preservation and reconstruction of heritage digitally. The Kaggle grandmaster **Ms. Usha Rengaraju** demonstrated on the **“WiDS 2022 Datathon Solution walkthrough”**, were the participants acquired knowledge of navigating the Kaggle platform, data processing, model development, testing, and submitting the solution. A total of 100+ students/faculty participated in the workshop and appreciated the impact of the workshop was found to be effective and useful.

**WiDS Ambassadors:**

Dr. Meena S.M

Dr. Sujatha C



## WiDS Datathon Challenge 2022

### List of Participants

| Team No | Name                  | USN          | Mentors                         |
|---------|-----------------------|--------------|---------------------------------|
| 1       | Amruta Kabade         | 01FE19BCS065 | Prof. Meena S.M<br>Prof. Uday K |
|         | Aishwarya Hungund     | 01FE19BCS064 |                                 |
|         | Rohini K Katti        | 01fe19bcs291 |                                 |
|         | Madhura Nagaraj Nayak | 01fe19bcs285 |                                 |
| 2       | Sahana V Sanagoudar   | 01fe19bcs100 | Prof. Sunita<br>Hiremath        |
|         | Sneha P Hiremath      | 01fe19bcs137 |                                 |
|         | Siri S Revant         | 01fe19bcs126 |                                 |
|         | Joel S Dandin         | 01fe19bcs141 |                                 |
| 3       | Nishant Halagatti     | 01FE19BCS111 | Prof. Padmashri D               |
|         | Bhupalam Sumanth      | 01FE19BCS109 |                                 |
|         | Keerti Jituri         | 01FE19BCS105 |                                 |
|         | Sahana Kubsad         | 01FE19BCS091 |                                 |
| 4       | Ankita Mane           | 01fe19bcs052 | Prof. Sujatha C                 |
|         | Samarth Manwani       | 01FE19BCS256 |                                 |
|         | ADITYA VIKRAM         | 01FE19BCS220 |                                 |
|         | Harshita Hiremath     | 01FE19BCS235 |                                 |
| 5       | Dhanashri Rane        | 01FE19BCS010 | Prof. Shantala G                |
|         | Prerana Naik          | 01FE19BCS036 |                                 |
|         | Rashmi Kiragi         | 01FE19BCS057 |                                 |
|         | Mihir Patil           | 01FE19BCS142 |                                 |
| 6       | Ashwin Shirodkar      | 01fe19bcs157 | Prof. Padmashri D               |
|         | Rohan Mogali          | 01fe19bcs159 |                                 |
|         | Sahana Koppad         | 01fe19bcs161 |                                 |
|         | Disha M Patil         | 01fe19bcs163 |                                 |



|   |                   |              |                  |
|---|-------------------|--------------|------------------|
|   |                   |              |                  |
| 7 | Krupa patil       | 01FE19BCS016 | Prof. Sujatha C  |
|   | Vishwanath kammar | 01FE19BCS015 |                  |
|   | Aishwarya hegde   | 01FE19BCS019 |                  |
|   | Rachita           | 01FE19BCS043 |                  |
|   |                   |              |                  |
| 8 | Neha Harlapur     | 01FE20MCS002 | Prof. Shantala G |
|   | Gayatri S B       | 01FE19MCS009 |                  |
|   | Shreeya G         | 01FE19BCS045 |                  |
|   | Vishal G          | 01FE19BCS087 |                  |
|   |                   |              |                  |

**KLE Society's  
KLE Technological University  
School of Management Studies & Research**

**Circular**

It is hereby informed to the students that “School of Management Studies & Research” is organizing a guest talk on “Technology driven Entrepreneurship” on 11/03/2022 from 9.30 am to 10.30am. Hence it is requested 1<sup>st</sup> year BBA students to be benefited of this.

Venue: SMSR Seminar Hall

**Details of the Resource Person**

The key note speaker is Mr. Mukesh Bafna is the director of MWB Groups and Founder, CEO of MWB Technologies India Pvt Ltd.



Date: 09-03-2022

Event Coordinator

**Invitation Letter**



**Report:**

On March 11<sup>th</sup>, 9.30 am, **Mr. Mukesh Bafna Sir**, the guest of honor and of the session, addressed BBA students of SMSR which focused on his journey with **MWB Groups and MWB Technologies Pvt. Ltd.**

The key note speaker, Mr. Mukesh Bafna Sir is the director of MWB Groups and Founder, CEO of MWB Technologies India Pvt Ltd.

A 39 year young Entrepreneur joined his family business of pulses & grains, soon after he got his master's in business from Jain University Bangalore in International Business and Finance. And today MWB Group is Proudly South India's Largest Pulses House.

He was accompanied by **Mr. Dinesh Jain**, the director of MWB Technologies, who is also a mentor to Mukesh Bafna.

**KLE Society's  
KLE Technological University  
School of Management Studies & Research**

During the session, he spoke about the B2B app developed by him “**Kalpavriksha**”, how it can take an offline business to online in less than a minute. The ‘Learn and Earn’ system with Kalpavriksha Yuva app. Sir, also spoke about a variety of concepts regarding entrepreneurship, technology, issues and solutions of the same.

Sir has shared some amazing and inspiring insights, the power of youth, what has to be and to be not dealt with. His powerful voice and interaction kept us concentrated throughout the session.

The unique business model, with the promise of **social uplift** through **leadership and entrepreneurship** is what every entrepreneur must inculcate. His **words of wisdom** motivated us to do something big like him. We were honored to meet and interact with him.

**Pictures of the expert talk**



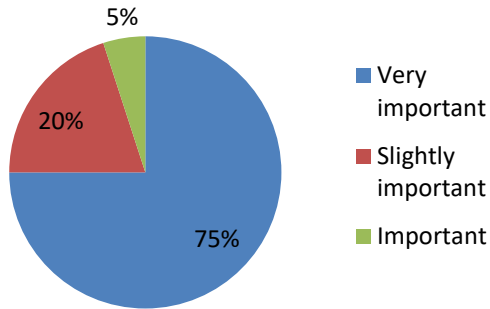


**Attendance for the guest talk**

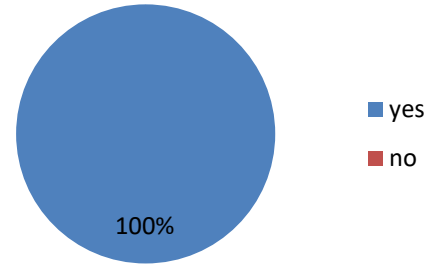
| Sl no | Name                                | SRN          |       |
|-------|-------------------------------------|--------------|-------|
| 1     | VEERENDRA JAGANNATH KORADDI         | 01FM21BBA001 |       |
| 2     | SHIVANAND MUGATI                    | 01FM21BBA002 | Ug... |
| 3     | DARSHAN C HONGALMATH                | 01FM21BBA003 | ...   |
| 4     | PAVAN SHETTY                        | 01FM21BBA004 | ...   |
| 5     | K INDU PRIYA                        | 01FM21BBA005 | ...   |
| 6     | NEHA KATTIMANI                      | 01FM21BBA006 | ...   |
| 7     | DEEPAK BABULAL BHATI                | 01FM21BBA007 | ...   |
| 8     | KAPILKUMAR G KUMAWAT                | 01FM21BBA008 | ...   |
| 9     | TALLA SREE MAANVI                   | 01FM21BBA009 | ...   |
| 10    | KARAN ASHOK KALAL                   | 01FM21BBA010 | ...   |
| 11    | JANHAVI V KULKARNI                  | 01FM21BBA011 | ...   |
| 12    | CHETHANA RAJU SHETTY                | 01FM21BBA012 | ...   |
| 13    | MULAMUTTAL SHASHANK SHRIKANT        | 01FM21BBA013 | ...   |
| 14    | INSHA MANIYAR                       | 01FM21BBA014 | ...   |
| 15    | SAI KAVYA ALIVELU                   | 01FM21BBA016 | ...   |
| 16    | KHUSHI R                            | 01FM21BBA017 | ...   |
| 17    | KISHORE AMAR DAMAM                  | 01FM21BBA018 | ...   |
| 18    | PRATEEK M BEERANUR                  | 01FM21BBA019 | ...   |
| 19    | SHRUSHTI PRABHU BILEBHAVI           | 01FM21BBA020 | ...   |
| 20    | S ISHA CHOWDARY                     | 01FM21BBA021 | ...   |
| 21    | NISHA PETHE                         | 01FM21BBA022 | ...   |
| 22    | PRAJWAL MUTTANNA KUKANUR            | 01FM21BBA023 | ...   |
| 23    | DARSHAN TENGINAKAI                  | 01FM21BBA024 | ...   |
| 24    | NITISH APPASHEB PATIL               | 01FM21BBA025 | ...   |
| 25    | PRATHAM M KULKARNI                  | 01FM21BBA027 | ...   |
| 26    | AJAY KUMAR SOMALAPUR                | 01FM21BBA028 | ...   |
| 27    | G SUMITH                            | 01FM21BBA029 | ...   |
| 28    | SAKSHI M HIREMATH                   | 01FM21BBA031 | ...   |
| 29    | GOLAPPA BASAVANTAPPA ANGADI         | 01FM21BBA033 | ...   |
| 30    | BINDU G D                           | 01FM21BBA034 | ...   |
| 31    | ABDULLAH N DHARWAD                  | 01FM21BBA035 | ...   |
| 32    | VIVEK SINDAGIMATH                   | 01FM21BBA036 | ...   |
| 33    | FAIZA KANKUDTI                      | 01FM21BBA038 | ...   |
| 34    | LAXMI VIJAY ROOGI                   | 01FM21BBA039 | ...   |
| 35    | MALLIKARJUNA P                      | 01FM21BBA040 | ...   |
| 36    | VIJAYARAJ SHYAVI                    | 01FM21BBA041 | ...   |
| 37    | KAUSHIK B SHETTY                    | 01FM21BBA042 | ...   |
| 38    | SRUSHTI CHANDRASHEKHARAYYA KULKARNI | 01FM21BBA043 | ...   |
| 39    | VISHAL V PASTEY                     | 01FM21BBA044 | ...   |
| 40    | NAWAR MEHERAFSHA ABDULGANI          | 01FM21BBA045 | ...   |
| 41    | KEERTHI M                           | 01FM21BBA046 | ...   |

**Feedback:**

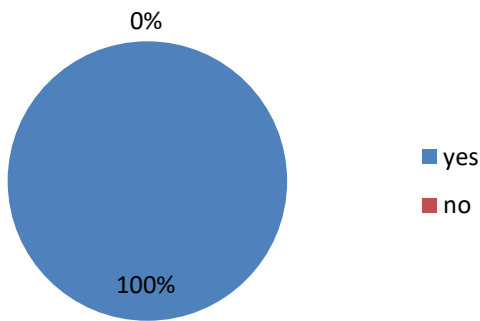
Relevance of the topic to the today's world



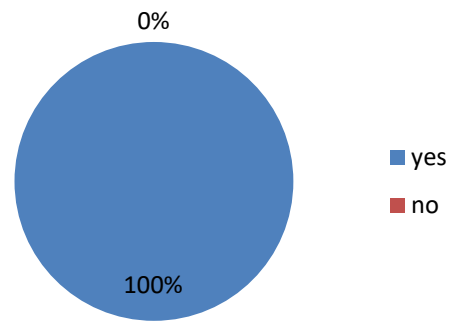
In future, I would like to attend such guest talks



Speaker positively influenced students



Talk was interesting



Result analysis: Majority of the students opined that guest talk was very effective.



Event Coordinator  
11/3/2022



## SCHOOL OF MANAGEMENT STUDIES AND RESEARCH (SMSR)

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### Event History Card

FMPB2501/T

Nature of event: (please tick mark the appropriate)

- |                            |                                |                      |
|----------------------------|--------------------------------|----------------------|
| 1. Industrial/ Study Visit | 2. Technical Presentations     | 3. Group Discussions |
| 4. Alumni Meet             | 5. Parents meet                | 6. Quizzes           |
| 7. Workshops               | 8. Exhibitions                 | 9. Competitions      |
| 10. Expert lectures        | 11. <b>Others: Expert talk</b> |                      |

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### Particulars:

Title: "Opportunities and Challenges for Marketers in VUCA world"

Date: 08-05-22

Venue: SMSR Seminar Hall

Details of resource persons (if any):

Resource Person Name and Details: Mr.Vijesh N.Saigal

Mr.Vijesh N.Saigal is B.Com and MBA in Marketing & Finance and also completed Leadership course in Business Management at Oxford University, London – UK, aged 44 years coming from renowned Saigal family of Hubli.

By profession, he entered into his family business in 1991, in the name of AVN Saigal Plastic Industries. Hubli an TS16949 2016 certified company – an Automotive and industrial plastic components manufacturing unit registered vendor for TATA MOTORS LTD., & ASHOK LEYLAND.

He has a passion for education field and is the founder of SKYMOUNT INC, which offers courses on CAD/CAM/CAE and courses for MBA are offered.

From 2000 to 2006 he bagged the contract with Asian Chemical Industries Pvt Ltd as CFA for North Karnataka Region.

From 2008 onwards he bagged the contract for Indian oil corporation limited (IOCL) as CFA of SERVO lubricants for the entire North Karnataka Region, which is successfully running till date.

From 2016 he took distribution for Michelin Tyres dealing in Truck, PCR & Two Wheel Tyres for Karnataka State.

Also having his presence in retail Business for the following brands:

- From 2008 to 2019 had Exclusive LG Brand Shoppe at Hosur, Hubli
- Easy Buy Apparels Stores from Land Mark Group Ltd. at Koppikar Road. & Urban Oasis Mall, Gokul Road. Hubli.



## **SCHOOL OF MANAGEMENT STUDIES AND RESEARCH (SMSR)**

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- Easy Buy Apparels Store, Land Mark Group Ltd. at City Centre Mall, Udupi
- PEOPLE Apparels Store from Aditya Birla Nuvo Limited at U Mall, Hubli.
- Ginny & Jonny Retail Brand Shop at Urban Oasis Mall, Gokul Road, Hubli
- WESTSIDE from Trent Ltd. (A TATA Enterprise) at Shimoga

### Awards & Appreciations:

- Award from The Times Group Vijay Karnatak - Achievers of Karnataka
- Award from MSME for outstanding performance in Business
- Award from TATA MOTORS for Development & Technology

He is a dedicated and dynamic person throughout his carrier, having a positive attitude towards his business and motivates the entire team members in achieving milestones.

### He is also active in social & various organizations & Nominated/Elected as:

- Trustee for Round Table India Foundation.
- President – Gyan Sagar Educational Society.
- Governing Body member & Secretary / Treasurer of TIE, Hubli
- Chairman for plastic products for NKSSIA, Hubli.
- Completed his tenure as Area Chairman for Round Table India
- Completed his tenure as Chairman for Hubli Central Round Table 142
- Director & Member of Rotary Mid Town – Hubli
- Member of Karnataka Chamber of Commerce & Industry, Hubli.
- Member of NKSSIA, Hubli
- Member of KASSIA – Bangalore
- Member of Karnataka Material Testing & Research Centre.
- Member & Panel Convenor for Confederation of Indian Industries (CII)
- Member of Plast India Association.

Targeted Audience: .II Semester MBA Number of people attended: .60





## SCHOOL OF MANAGEMENT STUDIES AND RESEARCH (SMSR)

Event report:

Mr. Vijesh Saigal spoken to the students about need for immersive learning to equip themselves in the VUCA world. As today's enterprises are looking for the dynamic personalities, who can bring multi-facet knowledge to the work environment. Student should actively participate in the learning process and ask for clarifications to the professors. The learning process should start by keeping End goals in mind.

The event like these should be organized by the students to build the greater industrial contacts. Once the industries believe in the students potential, they find easy to appoint them as interns in their enterprises by giving them live projects in the chosen domains.





**SCHOOL OF MANAGEMENT STUDIES AND RESEARCH (SMSR)**



## SCHOOL OF MANAGEMENT STUDIES AND RESEARCH (SMSR)

Attendance:

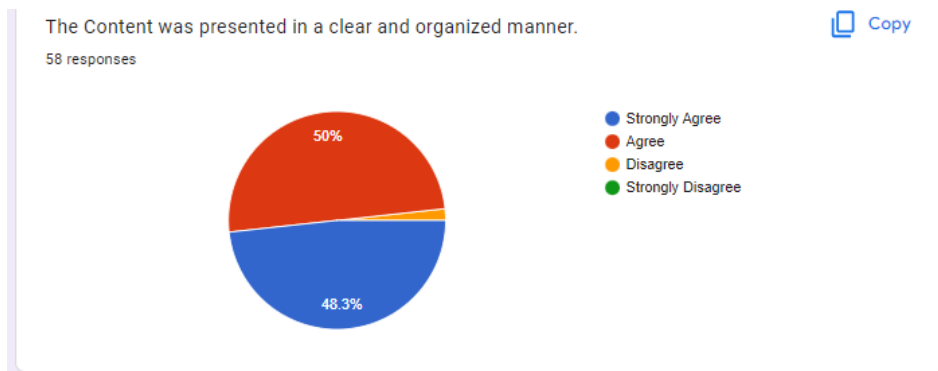
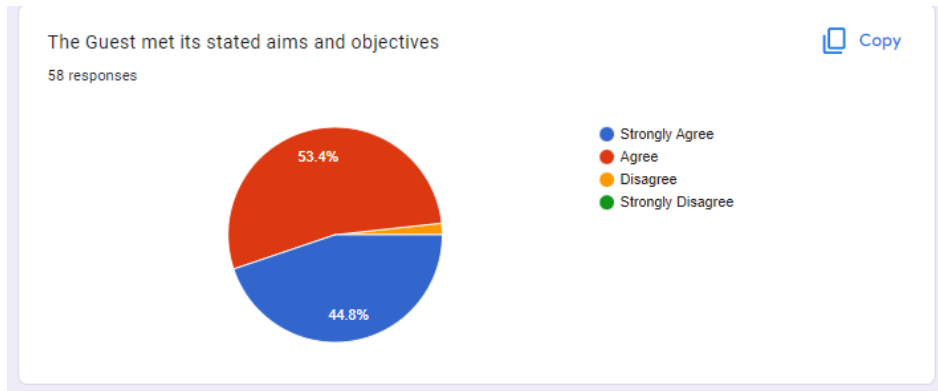
II Semester MBA Student list who have attended the Guest Talk

| Sl no | Name                          | SRN          | RollNo | Attendance |
|-------|-------------------------------|--------------|--------|------------|
| 1     | DODDAYYANAVER NAYANA V        | 01FM21MBA001 | 1      | P          |
| 2     | CHAITRA T TAKALI              | 01FM21MBA002 | 2      | P          |
| 3     | LAXMI H PATIL                 | 01FM21MBA003 | 3      | P          |
| 4     | SHASHIKANT S NAIK             | 01FM21MBA004 | 4      | P          |
| 5     | PREETI B KURLI                | 01FM21MBA005 | 5      | P          |
| 6     | SANJANA MANJARI K             | 01FM21MBA006 | 6      | P          |
| 7     | AJAY ASHOK NAIK               | 01FM21MBA007 | 7      | P          |
| 8     | SUGUNA SHIRLEY BILLA          | 01FM21MBA008 | 8      | P          |
| 9     | ARAVIND BILLU RAJAPUT         | 01FM21MBA009 | 9      | P          |
| 10    | PUNEETH RAVINDRA PAWAR        | 01FM21MBA010 | 10     | P          |
| 11    | RAMESH KHOT                   | 01FM21MBA011 | 11     | P          |
| 12    | MAHIMA NAGAPATI SHASTRI       | 01FM21MBA012 | 12     | P          |
| 13    | DARSHAN B MUTAGI              | 01FM21MBA013 | 13     | P          |
| 14    | RAKSHITHA A                   | 01FM21MBA014 | 14     | P          |
| 15    | GUVVALA JHANSIRANI            | 01FM21MBA015 | 15     | P          |
| 16    | BHAVANA SATISH HEGDE          | 01FM21MBA016 | 16     | P          |
| 17    | SMITHA SADALAGI               | 01FM21MBA017 | 17     | P          |
| 18    | SANTOSH KULKARNI              | 01FM21MBA018 | 18     | P          |
| 19    | SRUSHTI SUDESH BAGADI         | 01FM21MBA019 | 19     | P          |
| 20    | ABHISHEK                      | 01FM21MBA020 | 20     | P          |
| 21    | KIRANKUMAR BATTUR             | 01FM21MBA021 | 21     | P          |
| 22    | CHANDRUGOUDA B HOTTIGOUDRA    | 01FM21MBA022 | 22     | P          |
| 23    | OMKAR NAGESH PUNAGE           | 01FM21MBA023 | 23     | P          |
| 24    | PRASANNAVENKATESHA            | 01FM21MBA024 | 24     | P          |
| 25    | KOMAL N AMBIGER               | 01FM21MBA025 | 25     | P          |
| 26    | VAISHIKA UMESH PATIL          | 01FM21MBA026 | 26     | P          |
| 27    | AKSHAY C DESHPANDE            | 01FM21MBA027 | 27     | P          |
| 28    | DEEPA ASHOK KHOT              | 01FM21MBA028 | 28     | P          |
| 29    | GIDDALURU AJAY                | 01FM21MBA029 | 29     | P          |
| 30    | VIJAYALAKSHMI                 | 01FM21MBA030 | 30     | P          |
| 31    | PREETI REVANNAVAR             | 01FM21MBA031 | 31     | P          |
| 32    | MADHU ANNAPPA GUDDODAGI       | 01FM21MBA032 | 32     | P          |
| 33    | SOUMYA R HADIMANI             | 01FM21MBA033 | 33     | P          |
| 34    | SAYED MURTUZA QUADRI          | 01FM21MBA034 | 34     | P          |
| 35    | NOOTANA SHRIPATI MADIVAL      | 01FM21MBA035 | 35     | P          |
| 36    | VISHAKHA KULKARNI             | 01FM21MBA036 | 36     | P          |
| 37    | MOHANADASA B                  | 01FM21MBA037 | 37     | P          |
| 38    | TEJAL VIVEK NAYAK             | 01FM21MBA038 | 38     | P          |
| 39    | REKHA URF RADHA               | 01FM21MBA039 | 39     | P          |
| 40    | VIBHA R BHAT                  | 01FM21MBA040 | 40     | P          |
| 41    | TEJASHWINI MAHANTESH HIREMATH | 01FM21MBA041 | 41     | P          |
| 42    | ANANTH KULKARNI               | 01FM21MBA042 | 42     | P          |
| 43    | SWATI YALLAPPA KATWE          | 01FM21MBA043 | 43     | P          |
| 44    | SINDHU GANAPATI BHAT          | 01FM21MBA044 | 44     | P          |

## SCHOOL OF MANAGEMENT STUDIES AND RESEARCH (SMSR)

|    |                                    |              |    |   |
|----|------------------------------------|--------------|----|---|
| 45 | KSHAMA M TADAS                     | 01FM21MBA045 | 45 | P |
| 46 | HARSHA KRISHNARADDI<br>LAKKANNAVAR | 01FM21MBA046 | 46 | P |
| 47 | ROHAN DEEPAK DUBLE                 | 01FM21MBA047 | 47 | P |
| 48 | SUJAY BHARATRAJ INGALE             | 01FM21MBA048 | 48 | P |
| 49 | AKSHAY SHREEDHAR HEGDE             | 01FM21MBA049 | 49 | P |
| 50 | SHUBHOD HERWADE                    | 01FM21MBA050 | 50 | P |
| 51 | MRUTHUNJAYA B HIREMATH             | 01FM21MBA051 | 51 | P |
| 52 | RACHANA AGADI                      | 01FM21MBA052 | 52 | P |
| 53 | PRATEEK S PRABHUDEVARMATH          | 01FM21MBA053 | 53 | P |
| 54 | MAHANTESH C HORAKERI               | 01FM21MBA054 | 54 | P |
| 55 | VISHALA R GUDAGERI                 | 01FM21MBA055 | 55 | P |
| 56 | SAHANA RAVINDRA REVANKAR           | 01FM21MBA056 | 56 | P |
| 57 | GANESH METI                        | 01FM21MBA057 | 57 | P |
| 58 | AVANTIKA A HALDIPUR                | 01FM21MBA058 | 58 | P |
| 59 | ASHWINI YALAVAGI                   | 01FM21MBA059 | 59 | P |
| 60 | NIRMALA MADNUR                     | 01FM21MBA060 | 60 | P |

### Feedback Analysis:



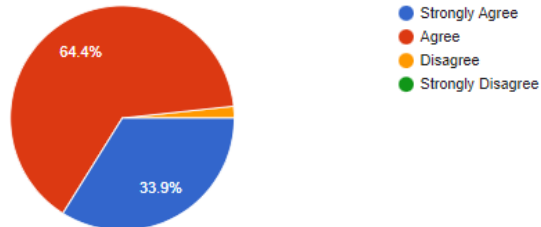


## SCHOOL OF MANAGEMENT STUDIES AND RESEARCH (SMSR)

The Guest Talk was scheduled at a suitable time.

 Copy

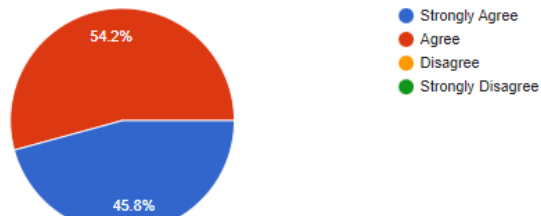
59 responses



The Content of the presenter was paced appropriately.

 Copy

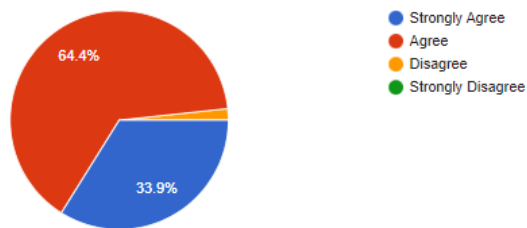
59 responses



The Inputs were appropriate and satisfactory.

 Copy

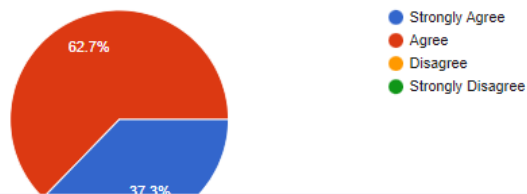
59 responses



The event location was appropriate and satisfactory.

 Copy

59 responses



Authorized signatory

Note: Enclose the copy of images/ Videos.

### **Circular**

It is hereby informed to the students that “School of Management Studies & Research” is organizing a Guest Talk on “The importance of AI in business” on 27/4/2022 from 11.00am to 12.30pm. Hence it is requested that all the 1st year students to attend and take benefit out of it.

Venue: MBA Semiar Hall

#### **Details of the Resource Person**

Prof.Ramesh ,Co-ordinator Samsung SEED Lab, KLE technological University.

Event Coordinator

Date: 27-04-2022

**Invitation Letter :**



The banner features the KLE Technological University logo on the left and the BVB logo on the right. The central text is set against a purple gradient background. Below the main text, there are three white boxes: 'Venue: SMSR Seminar Hall', 'AI - Future trend of Business' with a blue circular graphic, and 'Date: 27/4/2022 Time: 11.00 am - 12.30pm'.

**KLE TECHNOLOGICAL UNIVERSITY**  
Creating Value, Leveraging Knowledge  
School of Management Studies & Research

**Guest Talk**  
**On**  
“The importance of AI in business”

**Resource Person**  
Prof.Ramesh H ,Co-Ordinator  
SEED, KLE Technological University

**Venue:**  
SMSR Seminar Hall

**AI - Future trend of Business**

**Date: 27/4/2022**  
**Time: 11.00 am - 12.30pm**

**Report:**

Talk on Artificial Intelligence by Prof.Ramesh H of SEED, KLE Technological University was organized on 27<sup>th</sup> April, 2022 to highlight the importance of AI in business. On this occasion Prof Jagdish Bapat (Director SMSR),Dr.G.S.Hiremath (HOD SMSR), all the faculty members and MBA 1<sup>st</sup> Year students were present in the function. .

The program start with welcome note by Miss.Laxmi followed by address by Prof.Ramesh H and finally event was concluded by Vote thanks by Mr.Mahantesh Horkeri

**Objective of event**

- To understand the application of Artificial Intelligence in Business scenario
- To Know about various career prospective for MBA graduates

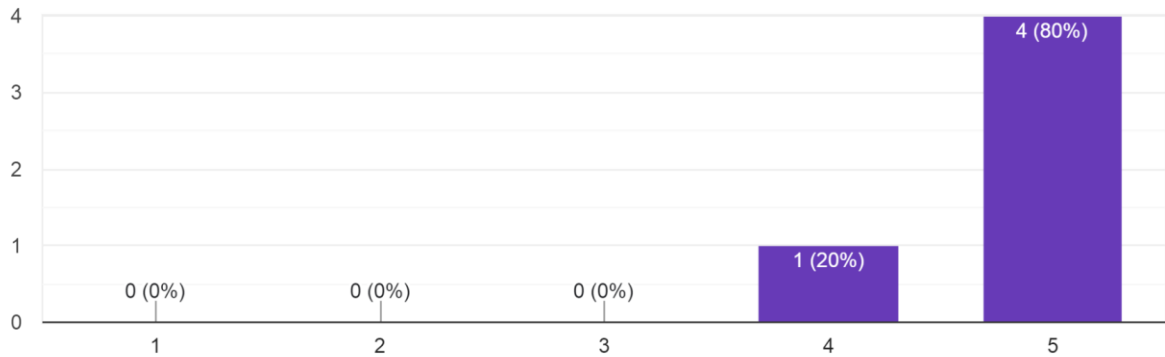
### Event Photos



### Student Feedback

Rate the speakers from (1-5) (AI)?1-least ,5-Best

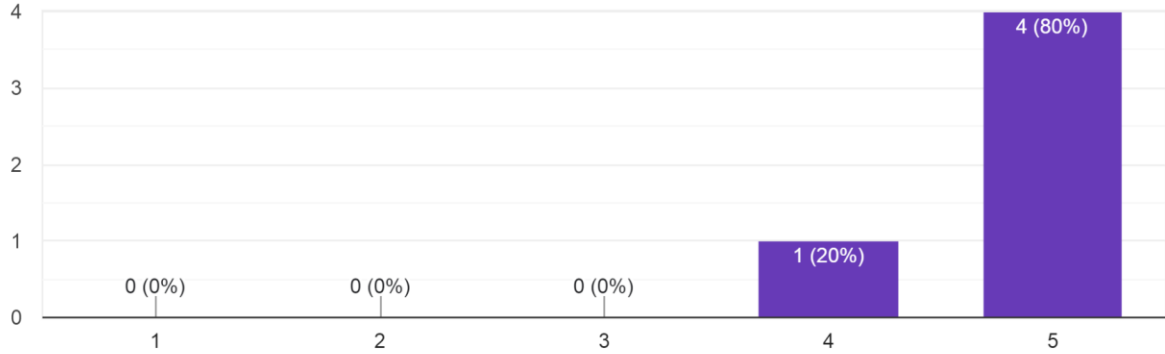
5 responses





How was the overall experience l?(A)1-least ,5-Best

5 responses



**Attendance**

**SCHOOL OF MANAGEMENT STUDIES AND RESEARCH**

| Sl.No | Name as per SSLC              | SRN          |               |
|-------|-------------------------------|--------------|---------------|
| 1     | DODDAYANAVAR NAYANA V         | 01FM21MBA001 | AS            |
| 2     | CHAITRA T TAKALI              | 01FM21MBA002 | Chaitra       |
| 3     | LAXMI H PATIL                 | 01FM21MBA003 | Laxmi         |
| 4     | SHASHIKANT S NAIK             | 01FM21MBA004 | Shashikant    |
| 5     | PREETI B KURLI                | 01FM21MBA005 | Preeti        |
| 6     | SANJANA MANJARI K             | 01FM21MBA006 | Sanjana       |
| 7     | AJAY ASHOK NAIK               | 01FM21MBA007 | Ajay          |
| 8     | SUGUNA SHIRLEY BILLA          | 01FM21MBA008 | Suguna        |
| 9     | ARAVIND BILLU RAJAPUT         | 01FM21MBA009 | Aravind       |
| 10    | PUNEETH RAVINDRA PAWAR        | 01FM21MBA010 | Puneeth       |
| 11    | RAMESH KHOT                   | 01FM21MBA011 | Ramesh        |
| 12    | MAHIMA NAGAPATI SHASTRI       | 01FM21MBA012 | Mahima        |
| 13    | DARSHAN B MUTAGI              | 01FM21MBA013 | Darshan       |
| 14    | RAKSHITHA A                   | 01FM21MBA014 | Rakshitha A   |
| 15    | GUVVALA JHANSIRANI            | 01FM21MBA015 | Guvvala       |
| 16    | BHAVANA SATISH HEGDE          | 01FM21MBA016 | Bhavana       |
| 17    | SMITHA SADALAGI               | 01FM21MBA017 | Smitha        |
| 18    | SANTOSH KULKARNI              | 01FM21MBA018 | Santosh       |
| 19    | SRUSHTI SUDESH BAGADI         | 01FM21MBA019 | Srushti       |
| 20    | ABHISHEK                      | 01FM21MBA020 | Abhishek      |
| 21    | KIRANKUMAR BATTUR             | 01FM21MBA021 | K.K. Battur   |
| 22    | CHANDRUGOUDA B HOTTIGOUDRA    | 01FM21MBA022 | Chandra       |
| 23    | OMKAR NAGESH PUNAGE           | 01FM21MBA023 | Omkar         |
| 24    | PRASANNAVENKATESHA            | 01FM21MBA024 | Prasanna      |
| 25    | KOMAL N AMBIGER               | 01FM21MBA025 | Komal         |
| 26    | VAISHIKA UMESH PATIL          | 01FM21MBA026 | Vaishika      |
| 27    | AKSHAY C DESHPANDE            | 01FM21MBA027 | Akshay        |
| 28    | DEEPA ASHOK KHOT              | 01FM21MBA028 | Deepa         |
| 29    | GIDDALURU AJAY                | 01FM21MBA029 | Giddaluru     |
| 30    | VIJAYALAKSHMI                 | 01FM21MBA030 | Vijayalakshmi |
| 31    | PREETI REVANNAVAR             | 01FM21MBA031 | Preeti        |
| 32    | MADHU ANNAPPA GUDDODAGI       | 01FM21MBA032 | Madhu         |
| 33    | SOUMYA R HADIMANI             | 01FM21MBA033 | Soumya        |
| 34    | SAYED MURTUZA QUADRI          | 01FM21MBA034 | Sayed         |
| 35    | NOOTANA SHRIPATI MADIVAL      | 01FM21MBA035 | Nootana       |
| 36    | VISHAKHA KULKARNI             | 01FM21MBA036 | Vishakha      |
| 37    | MOHANADASA B                  | 01FM21MBA037 | Mohanadasa    |
| 38    | TEJAL VIVEK NAYAK             | 01FM21MBA038 | Tejal         |
| 39    | REKHA URF RADHA               | 01FM21MBA039 | Rekha         |
| 40    | VIBHA R BHAT                  | 01FM21MBA040 | Vibha         |
| 41    | TEJASHWINI MAHANTESH HIREMATH | 01FM21MBA041 | Tejashwini    |
| 42    | ANANTH KULKARNI               | 01FM21MBA042 | Ananth        |

|    |                               |              |                    |
|----|-------------------------------|--------------|--------------------|
| 43 | SWATI YALLAPPA KATWE          | 01FM21MBA043 | <i>Swati</i>       |
| 44 | SINDHU GANAPATI BHAT          | 01FM21MBA044 | <i>Sindhu</i>      |
| 45 | KSHAMA M TADAS                | 01FM21MBA045 | <i>Kshama</i>      |
| 46 | HARSHA KRISHNARADDI LAKKANNAV | 01FM21MBA046 | <i>Harsha</i>      |
| 47 | ROHAN DEEPAK DUBLE            | 01FM21MBA047 | <i>Rohan</i>       |
| 48 | SUJAY BHARATRAJ INGALE        | 01FM21MBA048 | <i>Sujay</i>       |
| 49 | AKSHAY SHREEDHAR HEGDE        | 01FM21MBA049 | <i>Akshay</i>      |
| 50 | SHUBHOD HERWADE               | 01FM21MBA050 | <i>Shubhod</i>     |
| 51 | MRUTHUNJAYA B HIREMATH        | 01FM21MBA051 | <i>Mruthunjaya</i> |
| 52 | RACHANA AGADI                 | 01FM21MBA052 | <i>Rachana</i>     |
| 53 | PRATEEK S PRABHUDEVARMATH     | 01FM21MBA053 | <i>Prateek</i>     |
| 54 | MAHANTESH C HORAKERI          | 01FM21MBA054 | <i>Mahantesh</i>   |
| 55 | VISHALA R GUDAGERI            | 01FM21MBA055 | <i>Vishala</i>     |
| 56 | SAHANA RAVINDRA REVANKAR      | 01FM21MBA056 | <i>Sahana</i>      |
| 57 | GANESH METI                   | 01FM21MBA057 | <i>Ganesh</i>      |
| 58 | AVANTIKA A HALDIPUR           | 01FM21MBA058 | <i>Avantika</i>    |
| 59 | ASHWINI YALAVAGI              | 01FM21MBA059 | <i>Ashwini</i>     |
| 60 | NIRMALA MADNUR                | 01FM21MBA060 | <i>Nirmala</i>     |

### **Circular**

It is hereby informed to the students that “School of Management Studies & Research” is organizing a Guest Talk on “NLP for Better Communication” on 8/4/2022 from 11.00am to 12.30pm. Hence it is requested that all the 1st year students to attend and take benefit out of it.

Venue: MBA Semiar Hall

#### **Details of the Resource Person**

Dr. D.G.Kulkarni, Principal Maratha Mandal Engineering College with 30 years of experience of which 13 years as Professor/Dean/Director/Head of sections at various institutions like GIT, KLE and JCE.

Event Coordinator

Date: 1-04-2022

**Invitation Letter :**



The invitation letter is a rectangular graphic with a light grey header and a purple central section. The header contains the KLE Technological University logo and name, the school name, and the BVB logo. The central purple section contains the title of the guest talk and the name of the resource person. The bottom section is white with a blue border and contains the venue, date, and time. A word cloud with 'NLP' as the largest word is centered at the bottom.

**KLE TECHNOLOGICAL UNIVERSITY**  
Creating Value, Leveraging Knowledge  
School of Management Studies & Research

**Guest Talk  
On  
"NLP for Better Communication"**

**Resource Person**  
Dr. D.G.KULKARNI ,Principal Maratha Mandal Engineering College  
,Belagavi

**Venue:**  
SMSR Seminar Hall

**Date: 8/4/2022  
Time: 11.00 am -  
12.30pm**

**NLP**

**Report:**

A guest talk was organized for the students of MBA 1st semester on the Topic “NLP for Better Communication”. The Resource person spoke about how NLP can be adopted to better understand situation and communicate sensibly .In the Guest talk Prof Jagdish Bapat (Director SMSR),Dr.G.S.Hiremath (HOD SMSR), Prof.Alok Gaddi Event Coordinator and all the faculty members and senior students where present in the function. .

The program start with welcome note by Miss Laxmi followed by address by resource Person Dr. D G Kulkarni - Principal MMEC, Belagavi .The program was concluded by vote thanks by Miss Swati

**Objective of the Event**

- Students will be able to grasp the significance of natural language processing in solving real-world problems
- Students will be able to comprehend the state-of-the-art advanced nlp research articles



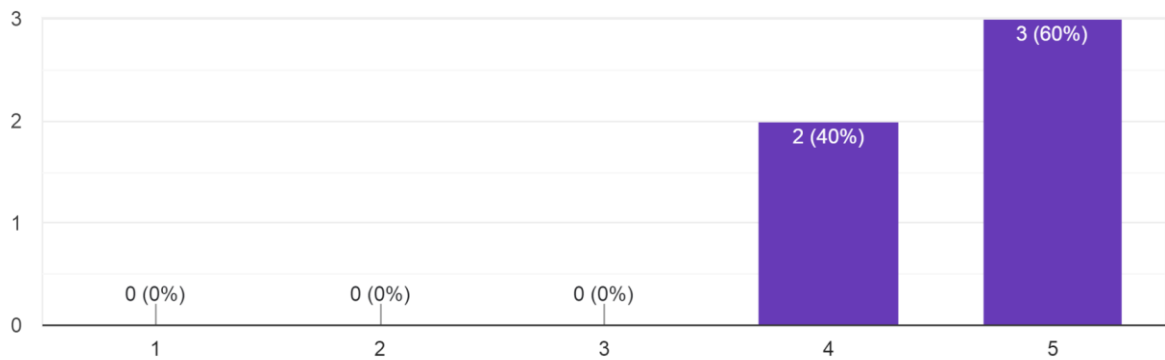
**Event Photos**



**Student Feedback**

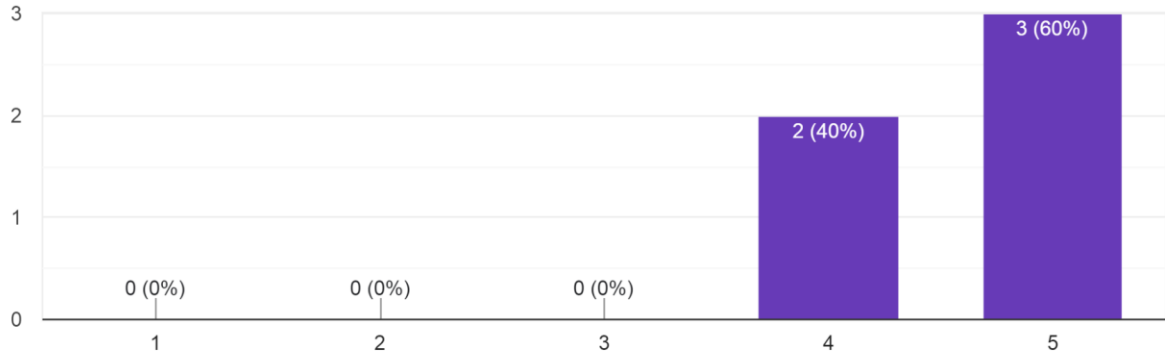
Rate the speakers from (1-5)(NLP)1-least ,5-Best?

5 responses




How was the overall experience ?(NLP)1-least ,5-Best

5 responses



### Attendance


**KLE** Technological University  
 Creating Value  
 Leveraging Knowledge  
**SCHOOL OF MANAGEMENT STUDIES AND RESEARCH (SMSR)**  
 MBA-1 Semester , 2021-2023

| Sl.No | Name of the Student       | Signature          |
|-------|---------------------------|--------------------|
| 1     | DODDAYANAVAR NAYANA V     | <i>[Signature]</i> |
| 2     | CHAITRA T TAKALI          |                    |
| 3     | LAXMI H PATIL             |                    |
| 4     | SHASHIKANT S NAIK         | <i>[Signature]</i> |
| 5     | PREETI B KURLI            | <i>[Signature]</i> |
| 6     | SANJANA MANJARI K         | <i>[Signature]</i> |
| 7     | AJAY ASHOK NAIK           | <i>[Signature]</i> |
| 8     | SUGUNA SHIRLEY BILLA      | <i>[Signature]</i> |
| 9     | ARAVIND BILLU RAJAPUT     | <i>[Signature]</i> |
| 10    | PUNEETH RAVINDRA PAWAR    | <i>[Signature]</i> |
| 11    | RAMESH KHOT               | <i>[Signature]</i> |
| 12    | MAHIMA NAGAPATI SHASTRI   | <i>[Signature]</i> |
| 13    | DARSHAN B MUTAGI          | <i>[Signature]</i> |
| 14    | RAKSHITHA A               | <i>[Signature]</i> |
| 15    | GUVALA JHANSIRANI         | <i>[Signature]</i> |
| 16    | BHAVANA SATISH HEGDE      | <i>[Signature]</i> |
| 17    | SMITHA SADALAGI           | <i>[Signature]</i> |
| 18    | SANTOSH KULKARNI          | <i>[Signature]</i> |
| 19    | SRUSHTI SUDESH BAGADI     | <i>[Signature]</i> |
| 20    | ABHISHEK                  | <i>[Signature]</i> |
| 21    | KIRANKUMAR BATTUR         | <i>[Signature]</i> |
| 22    | CHANDRUGUDA B HOTTIGOUDRA | <i>[Signature]</i> |
| 23    | OMKAR NAGESH PUNAGE       | <i>[Signature]</i> |
| 24    | PRASANNAVENKATESHA        | <i>[Signature]</i> |
| 25    | KOMAL N AMBAGER           | <i>[Signature]</i> |
| 26    | VAISHIKA UMESH PATIL      | <i>[Signature]</i> |
| 27    | AKSHAY C DESHPANDE        | <i>[Signature]</i> |
| 28    | DEEPA ASHOK KHOT          | <i>[Signature]</i> |
| 29    | GIDDALURU AJAY            | <i>[Signature]</i> |
| 30    | VIJAYALAKSHMI             | <i>[Signature]</i> |
| 31    | PREETI REVANAVAR          | <i>[Signature]</i> |

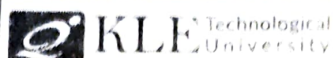
|    |                                  |  |
|----|----------------------------------|--|
| 32 | MADHU ANNAPPA GUDDODAGI          |  |
| 33 | SOUMYA R HADIMANI                |  |
| 34 | SAYED MURTUZA QUADRI             |  |
| 35 | NOOTANA SHRIPATI MADIVAL         |  |
| 36 | VISHAKHA KULKARNI                |  |
| 37 | MOHANADASA B                     |  |
| 38 | TEJAL VIVEK NAYAK                |  |
| 39 | REKHA URF RADHA                  |  |
| 40 | VIBHA R BHAT                     |  |
| 41 | TEJASHWINI MAHANTESH<br>HIREMATH |  |
| 42 | ANANTH KULKARNI                  |  |
| 43 | SWATI YALLAPPA KATWE             |  |
| 44 | Sindhu . Ganapati . Bhat         |  |
| 45 |                                  |  |
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| 57 |                                  |  |
| 58 |                                  |  |

Event Coordinator  
 8/4/2022



# Event Report of Hands-on Training on Mammalian Cell Culture Techniques

February, 7-9, 2022



Department of Biotechnology

## Hands-on Training on Mammalian Cell Culture Techniques

Resource Persons

Dr. Vishwas Kaveeshwar, Ph. D. Post Doc. (Germany) Assistant Professor,  
Central Research Lab. Dept. of Biochemistry  
SDMCMSH- Dharwad, Shri Dharmasthala Manjunatheshwara University, Dharwad

Gururaj Tennalli, Assistant Professor, Department of Biotechnology,  
KLE Technological University, Hubballi

Date & Time: February 7-9, 2022. 9.30 a.m. to 5.30 p.m.

Dr. S.V. Desai  
Faculty Co-ordinator

Dr. B.S. Hungund  
Professor & Head  
Department of Biotechnology,  
KLE Technological University, Hubballi

*Bengard*  
**HEAD**  
**DEPT. OF BIOTECHNOLOGY**  
**K.L.E. TECHNOLOGICAL,**  
**UNIVERSITY, HUBBALLI-31.**





**KLE** Technological  
UNIVERSITY

BELGUM

Belgum, India

14th floor,  
KLE Technological University,  
Belgum, India

Department of Biotechnology

To:

The Principal

SJKM College of Medical Sciences and Health,

SJKM University, Dharwad

Dear Sir

**Subject: Request for visit of Dr. Vishwas Kaveeshwar, Central Research Laboratory to our Department.**

We are establishing a cell culture facility in our Biotechnology department to facilitate training of the students and academic research. In the regard we request the service of Dr. Vishwas Kaveeshwar of Central Research Laboratory to visit our department and give inputs regarding the set-up of the facility. This would help us in establishing the facility in a more effective way.

Thank you

Yours sincerely

Hubbali

(Dr. B.S. Hanganur)

HEAD

DEPT. OF BIOTECHNOLOGY  
KLE TECHNOLOGICAL  
UNIVERSITY, BELGUM

23-03-2021

**Brief bio of resource persons**  
**Hands-on Training on Mammalian Cell Culture Techniques**



Dr. Vishwas Kaveeshwar has completed M.Sc. in Medical Biochemistry at Kasturba Medical College, Mangalore. He did his Ph.D. from University of Bonn, Germany and presently is working as Assistant Professor in Central Resrach Laboratory, Department of Biochemistry, SDM Medical University, Dharwad. He has several research publications in reputed journals. He is engaged in active research and academic activities.

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2. Gururaj Tennalli has completed M.Sc. in Biotechnology from Karnatak University, Dharwad. He has qualified UGC-CSIR-NET-JRF. Presently he is pursuing his Ph.D. in Department of Biotechnology, KLE Technological University. He is actively engaged in research and teaching for undergraduate students of Biotechnology engineering.

## DEPARTMENT OF BIOTECHNOLOGY

### THREE DAYS HANDS-ON WORKSHOP ON MAMMARY CELL CULTURE

| Day    | Theory Session   | Laboratory activities   |
|--------|--|---|
|        | (10:00 AM - 12:30 AM)  | (1:00 PM - 5:00 PM)   |
| Day 01 | <ul style="list-style-type: none"> <li>Introduction to mammary cell culture</li> </ul>                     | <ul style="list-style-type: none"> <li>Preparation of cell and tissue culture media</li> </ul>  |
| Day 01 | <ul style="list-style-type: none"> <li>Cell culture techniques and applications of cell culture</li> </ul> | <ul style="list-style-type: none"> <li>Cell culture media preparation and sterilization, storage and distribution</li> </ul>                                    |
| Day 02 | <ul style="list-style-type: none"> <li>Discussion types of cell and cell lines</li> </ul>                  | <ul style="list-style-type: none"> <li>Seeding of cells in culture vessels</li> </ul>   |
| Day 02 | <ul style="list-style-type: none"> <li>Microscopic cell growth and contamination</li> </ul>                | <ul style="list-style-type: none"> <li>Characterization and differentiation of cell lines under growing conditions in primary and secondary cultures</li> </ul> |
| Day 02 | <ul style="list-style-type: none"> <li>Microscopic observations</li> </ul>                                 | <ul style="list-style-type: none"> <li>Subculture of primary or secondary cells using trypsin (20%)</li> </ul>  |
| Day 03 | <ul style="list-style-type: none"> <li>Applications of cell culture</li> </ul>                             | <ul style="list-style-type: none"> <li>Preparation of cell culture media</li> </ul>   |
| Day 03 | <ul style="list-style-type: none"> <li>Current applications in animal cell culture</li> </ul>              | <ul style="list-style-type: none"> <li>Characterization of cell culture</li> </ul>  |

VI Semester students attended for Workshop on Hands-on Training on Membrane Cell Culture Techniques on 7.8.2022 during 9.30 Am to 5.30

Department of Biotechnology

| Sl | Name                    | EN           | Signature |
|----|-------------------------|--------------|-----------|
| 1  | MAHANTESH RITHI         | 01FE19BB1021 |           |
| 2  | PRIYANKA ANKOLKAR       | 01FE19BB1027 |           |
| 3  | ANURAG                  | 01FE19BB1029 |           |
| 4  | PREETHI GONAI           | 01FE19BB1062 |           |
| 5  | AASHANVI G SHETTI       | 01FE19BB1063 |           |
| 6  | SRIRAMJI                | 01FE19BB1069 |           |
| 7  | SADANSHU R.HIRENATH     | 01FE19BB1065 |           |
| 8  | HARSHIN KOTYENAR        | 01FE19BB1066 |           |
| 9  | JAY MALPANI             | 01FE19BB1067 |           |
| 10 | SI SHABITA V GUN DAR    | 01FE19BB1068 |           |
| 11 | VAISHNAVI SINDAGMATHI   | 01FE19BB1069 |           |
| 12 | BHAKYA P. RAKANI        | 01FE19BB1019 |           |
| 13 | STONINDHAKRANADAKE      | 01FE19BB1011 |           |
| 14 | SRIJANA                 | 01FE19BB1012 |           |
| 15 | MANJUNATHRUDADAPATHI    | 01FE19BB1013 |           |
| 16 | SONDAD KALHAR           | 01FE19BB1014 |           |
| 17 | SNEHA SHET              | 01FE19BB1016 |           |
| 18 | VAISHNAVI GHEJMANI      | 01FE19BB1018 |           |
| 19 | SARVYAG KHEJMANI        | 01FE19BB1019 |           |
| 20 | GOURHAILALD             | 01FE19BB1026 |           |
| 21 | ANISHAS ANGADI          | 01FE19BB1022 |           |
| 22 | FAKSHIKA MANJALAKSHIKAR | 01FE19BB1023 |           |
| 23 | NAVEEN CHAKRER          | 01FE19BB1024 |           |
| 24 | KONINIKRASHIHA HARIDAR  | 01FE19BB1025 |           |
| 25 | ANGHALJAIN              | 01FE19BB1027 |           |
| 26 | CLAVITA ARODRIGEN       | 01FE19BB1028 |           |
| 27 | SHUSHMITA PAVATKROPP    | 01FE19BB1029 |           |
| 28 | QUE ANE KARADAGI        | 01FE19BB1030 |           |
| 29 | RAVITE S AHOJE          | 01FE19BB1031 |           |
| 30 | DINESH K A              | 01FE19BB1032 |           |
| 31 | SAVANSIJA MANJUNATH     | 01FE19BB1034 |           |
| 32 | NISIDA NAVADY           | 01FE19BB1035 |           |
| 33 | INDANNAZELZAKARI        | 01FE19BB1037 |           |
| 34 | SHIRVANNAVAN            | 01FE19BB1038 |           |
| 35 | KHOJ AARYA JAYENDRA     | 01FE19BB1039 |           |
| 36 | PRANITA LILAGADDIMATHI  | 01FE19BB1039 |           |
| 37 | DEEPAK SONNUSNAVAR      | 01FE19BB1040 |           |
| 38 | SNEHA S HIRENATHI       | 01FE19BB1041 |           |
| 39 | POOJA WAGHMODE          | 01FE19BB1042 |           |
| 40 | BHAKSHI A MOHAPAI       | 01FE19BB1043 |           |
| 41 | SHIVANI C AR DITYAMATHI | 01FE19BB1044 |           |
| 42 | VARSHINI S SUTTY        | 01FE19BB1045 |           |
| 43 | VARSHINI VEERKANI       | 01FE19BB1047 |           |
| 44 | SUMANK ANEAL            | 01FE19BB1044 |           |
| 45 | SNEHEDEE P SENI         | 01FE19BB1045 |           |
| 46 | MEHAR P DEGHADHEE       | 01FE19BB1046 |           |
| 47 | NONIJA BIKSALJIT ME     | 01FE19BB1047 |           |
| 48 | ANIKITA SODGOL          | 01FE19BB1048 |           |
| 49 | SHIVANI S ANAGADI       | 01FE19BB1049 |           |
| 50 | SHREYAS S ANAGADI       | 01FE19BB1049 |           |

Dr. Anand B. Patil

Dr. Anand B. Patil



Department of Biotechnology  
 VI Semester Students Conducted for Workshop on Hands-on Training on Maturation Culture  
 Techniques on 8-2-2022 timing 9.30 Am to 5.30

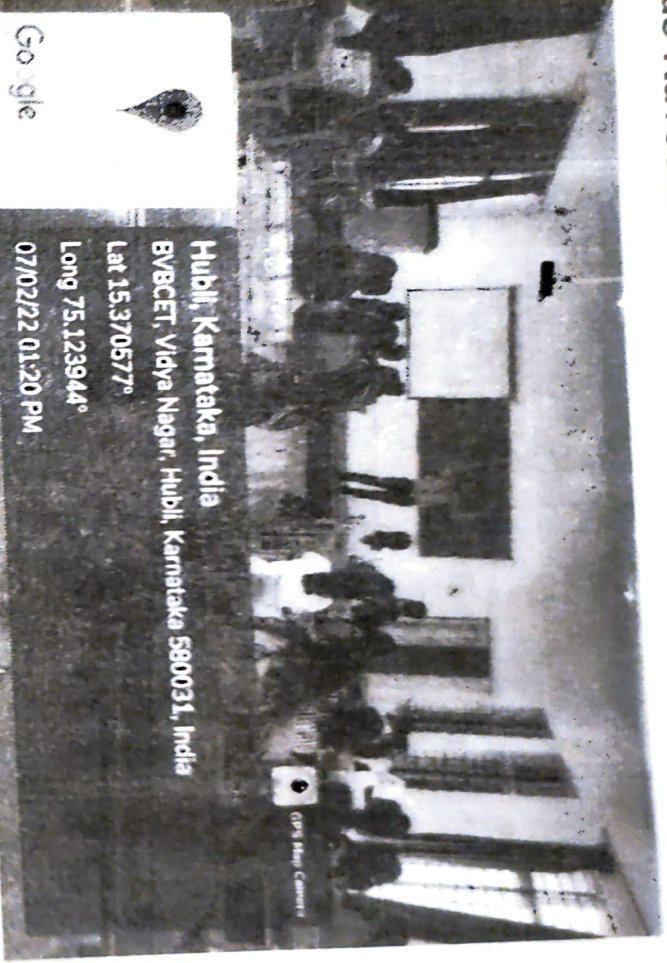
| Sl | Name                    | USN          | Signature |
|----|-------------------------|--------------|-----------|
| 1  | MAHANTHESH RITHI        | 01FE19BB1023 |           |
| 2  | PREETHANVA GOWDARI      | 01FE19BB1047 |           |
| 3  | ANCOBI                  | 01FE19BB1066 |           |
| 4  | PRITHVIGONAI            | 01FE19BB1067 |           |
| 5  | VASISHNAVI G SURETHI    | 01FE19BB1069 |           |
| 6  | SRIHARIL                | 01FE19BB1064 |           |
| 7  | SADASHIV R HIRIMATHI    | 01FE19BB1095 |           |
| 8  | HARSH N KOLVEKAR        | 01FE19BB1096 |           |
| 9  | JAY NAI PANI            | 01FE19BB1007 |           |
| 10 | SUSHMITHA V GOUUDAR     | 01FE19BB1008 |           |
| 11 | VASISHNAVI SINDAGIMATHI | 01FE19BB1099 |           |
| 12 | BHAGYA TURAKANI         | 01FE19BB1011 |           |
| 13 | YELGANDHAR A VAKRE      | 01FE19BB1012 |           |
| 14 | SRAVANA                 | 01FE19BB1013 |           |
| 15 | MANJUNATHGOWDAPATI      | 01FE19BB1013 |           |
| 16 | SONIDYA D KALLUR        | 01FE19BB1014 |           |
| 17 | SNEHA SHEET             | 01FE19BB1015 |           |
| 18 | VASISHNAVI G HIRIMANI   | 01FE19BB1016 |           |
| 19 | SHREYA G KULKARNI       | 01FE19BB1018 |           |
| 20 | GOLK HALLAD             | 01FE19BB1019 |           |
| 21 | ANUSHAS ANGADI          | 01FE19BB1020 |           |
| 22 | TAKSHIKA MAHALAKSHMIKAR | 01FE19BB1022 |           |
| 23 | NAVEEN C MALICHER       | 01FE19BB1023 |           |
| 24 | KORPENKASHI A BHARHAR   | 01FE19BB1024 |           |
| 25 | ANUHAL JAIN             | 01FE19BB1026 |           |
| 26 | CLAVITA AKODRIGUES      | 01FE19BB1027 |           |
| 27 | SHASHMITA SHAYALGOPP    | 01FE19BB1028 |           |
| 28 | GOURABE KARRADARI       | 01FE19BB1029 |           |
| 29 | RINDE S ADHOLE          | 01FE19BB1036 |           |
| 30 | DINESHKA                | 01FE19BB1031 |           |
| 31 | SAMRISHA MANNA NATH     | 01FE19BB1032 |           |
| 32 | NISHA NAVADA            | 01FE19BB1034 |           |
| 33 | NIDAN AZHARAJALI        | 01FE19BB1035 |           |
| 34 | SRIEVA NAYAK            | 01FE19BB1036 |           |
| 35 | KHOI NAREVAJAYENDRA     | 01FE19BB1037 |           |
| 36 | PRANJALI LALAKODIMATHI  | 01FE19BB1038 |           |
| 37 | LEEKAR SHIKHANAVAR      | 01FE19BB1039 |           |
| 38 | SNEHA S HIRENATHI       | 01FE19BB1040 |           |
| 39 | POOJA WAGHMODE          | 01FE19BB1041 |           |
| 40 | RIKASHITA MOGAPAI       | 01FE19BB1042 |           |
| 41 | CHIVANANT KRATHYAMATHI  | 01FE19BB1043 |           |
| 42 | VASISHNAVI SHETTY       | 01FE19BB1044 |           |
| 43 | VASISHNAVI REVALI       | 01FE19BB1045 |           |
| 44 | SHREYAS RATHI           | 01FE19BB1046 |           |
| 45 | SHREYAS BEKAVANJI       | 01FE19BB1048 |           |
| 46 | SHREYAS BEKAVANJI       | 01FE19BB1049 |           |
| 47 | SHREYAS BEKAVANJI       | 01FE19BB1050 |           |
| 48 | SHREYAS BEKAVANJI       | 01FE19BB1051 |           |
| 49 | SHREYAS BEKAVANJI       | 01FE19BB1052 |           |
| 50 | SHREYAS BEKAVANJI       | 01FE19BB1053 |           |



Department of Biotechnology  
 VI Semester students attended for Workshop on Hands-on Training on Membrane Cell Culture  
 Techniques on 9-2-2022 timing 9.30 Am to 5.30

| Sl | Name                    | IASN         | Signature |
|----|-------------------------|--------------|-----------|
| 1  | MAHANJESH RITTI         | 01FE19BB1024 |           |
| 2  | PREKANA GNOTAVJI        | 01FE19BB1047 |           |
| 3  | VANODH                  | 01FE19BB1001 |           |
| 4  | PREETI GONAL            | 01FE19BB1002 |           |
| 5  | VAISHNAVI G SHEETI      | 01FE19BB1003 |           |
| 6  | SRIHARU                 | 01FE19BB1004 |           |
| 7  | SADASHIV RHIRANATH      | 01FE19BB1005 |           |
| 8  | HARSH N KOLEKAR         | 01FE19BB1006 |           |
| 9  | JAY MAI PARI            | 01FE19BB1007 |           |
| 10 | SI SHRIITA V GULDAR     | 01FE19BB1008 |           |
| 11 | VAISHNAVI SINDAGMATRI   | 01FE19BB1009 |           |
| 12 | BHAGYATI RARANI         | 01FE19BB1010 |           |
| 13 | YUGANDHARA NIAKE        | 01FE19BB1011 |           |
| 14 | SRALANA                 | 01FE19BB1012 |           |
| 15 | MANJUNATHGOLLA PAVIL    | 01FE19BB1013 |           |
| 16 | SONIV & D KALLER        | 01FE19BB1014 |           |
| 17 | SNEHA SHEETI            | 01FE19BB1015 |           |
| 18 | VAISHNAVI G BILIMANI    | 01FE19BB1016 |           |
| 19 | SUREYA G KULKARNI       | 01FE19BB1018 |           |
| 20 | GOUSI HAFIZ AD          | 01FE19BB1019 |           |
| 21 | ANUSHAS ANGARI          | 01FE19BB1020 |           |
| 22 | TAKSIKA MARGAANMILKAR   | 01FE19BB1022 |           |
| 23 | KAVEENC MALEKAR         | 01FE19BB1023 |           |
| 24 | KOJINIKKASHIFA HARIBHAR | 01FE19BB1024 |           |
| 25 | ANSHAL JAIN             | 01FE19BB1026 |           |
| 26 | CLAYITA AKODRIKHERS     | 01FE19BB1028 |           |
| 27 | SHUSHMITA KHAVATKOP     | 01FE19BB1029 |           |
| 28 | ULJALE KARADAGI         | 01FE19BB1040 |           |
| 29 | RAHUL S ADHOLE          | 01FE19BB1031 |           |
| 30 | DINESH K A              | 01FE19BB1032 |           |
| 31 | SAMIKSHIA MANJUNATH     | 01FE19BB1034 |           |
| 32 | NISHA NAYADA            | 01FE19BB1035 |           |
| 33 | NIDANNAZ H JAVANI       | 01FE19BB1036 |           |
| 34 | SUREYA NAYAK            | 01FE19BB1037 |           |
| 35 | SIHOT ARYA JAYENDRA     | 01FE19BB1038 |           |
| 36 | PRANITA TELI GAODIMATH  | 01FE19BB1039 |           |
| 37 | DEEPAK SUNKANNAVAR      | 01FE19BB1040 |           |
| 38 | SNEHA S HIREMATI        | 01FE19BB1041 |           |
| 39 | PRDJA WADHARGE          | 01FE19BB1042 |           |
| 40 | BKASHIKTA MONDAL        | 01FE19BB1043 |           |
| 41 | SIBAVANI CEVALIYAKAMATH | 01FE19BB1044 |           |
| 42 | VASISHA SHELVI          | 01FE19BB1045 |           |
| 43 | VANISHAVI REKAVI        | 01FE19BB1047 |           |
| 44 | VAASINI KOTTA           | 01FE19BB1048 |           |
| 45 | SHRUTI DILIP DINKAR     | 01FE19BB1049 |           |
| 46 | SHRUTI DILIP DINKAR     | 01FE19BB1050 |           |
| 47 | ANSHI VALLABH           | 01FE19BB1051 |           |
| 48 | SHRUTI DILIP DINKAR     | 01FE19BB1052 |           |
| 49 | SHRUTI DILIP DINKAR     | 01FE19BB1053 |           |
| 50 | SHRUTI DILIP DINKAR     | 01FE19BB1054 |           |





Google



Hubli, Karnataka, India

BVBCET, Vidya Nagar, Hubli, Karnataka 590031, India

Lat 15.370577°

Long 75.123944°

07/02/22 01:20 PM

GPS Map Camera

**Students participating in the training.**



Google



Hubli, Karnataka, India

BVBCET, Vidya Nagar, Hubli, Karnataka 590031, India

Lat 15.370577°

Long 75.123944°

07/02/22 01:19 PM

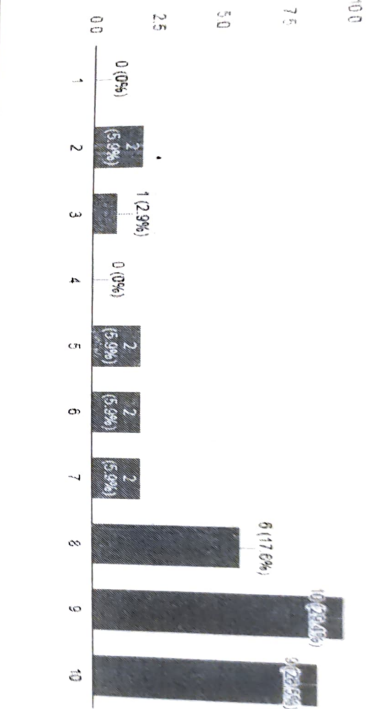
GPS Map Camera

# Feedback Responses of Participants

desaisv@kietech.ac.in

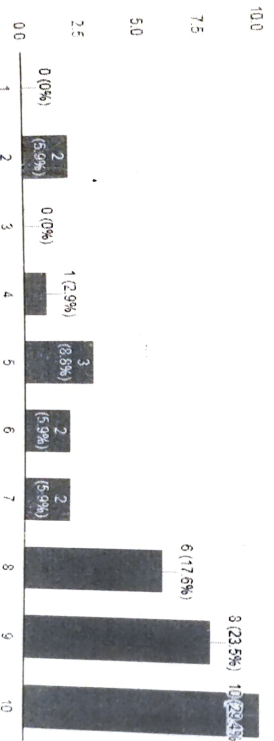
1. The demonstration of the cell culture facility was adequate

34 responses



2. The concepts covered during the training were satisfactory.

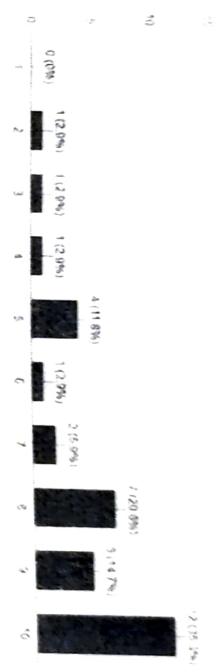
34 responses





3. The theoretical concepts related to the mammalian cell culture were **dear** satisfactorily.

18 responses



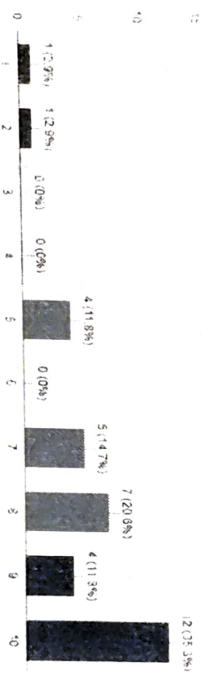
4. The training was useful and gave an overview of mammalian cell culture aspects

34 responses



4. The training was useful and gave an overview of mammalian cell culture aspects.

34 responses



5. The interaction with the resource persons was satisfactory

34 responses







# Certificate of Participation

Workshop on Mammalian Cell Culture

7-9 February, 2022

This is to certify that \_\_\_\_\_ has  
of \_\_\_\_\_ participated in the Mammalian Cell Culture workshop conducted by NeogT Association, Department of  
Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

**Gururaj Tamalli**  
Resource Person,  
Asst Professor, Dept. of Biotechnology  
KLE Technological University, Hubballi

**Dr. B. S. Hungund**  
Head, Department of Biotechnology  
KLE Technological University, Hubballi

*Bengal*

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UNIVERSITY, HUBBALLI-31.**





DEPARTMENT OF BIOTECHNOLOGY  
VIII Semester students list ODD Semester -2022-23  
Issue of Certificates

| Roll No | Name                     | ISN          | Signature |
|---------|--------------------------|--------------|-----------|
| 1       | MAHANTESH RITVI          | 01FE19081003 |           |
| 2       | PREETHA GOMFOAD          | 01FE19081007 |           |
| 3       | VINODH                   | 01FE19081001 |           |
| 4       | PREETHA GONAL            | 01FE19081002 |           |
| 5       | VASHNAAVI G SURETHI      | 01FE19081005 |           |
| 6       | SUBHARTI                 | 01FE19081004 |           |
| 7       | SADASHY R HIREMATH       | 01FE19081005 |           |
| 8       | HANSHI N KOVENAR         | 01FE19081006 |           |
| 9       | JAYALALPANI              | 01FE19081007 |           |
| 10      | SUSHMITA V GOUDAR        | 01FE19081008 |           |
| 11      | VASHNAAVI SINDACIMATHI   | 01FE19081009 |           |
| 12      | PRAGYA THIRAKANI         | 01FE19081010 |           |
| 13      | YAJANTHARA ADAKE         | 01FE19081011 |           |
| 14      | SRIVANYA                 | 01FE19081012 |           |
| 15      | MANJUNATH GOUDA PATIL    | 01FE19081013 |           |
| 16      | SONYAD KALLUR            | 01FE19081014 |           |
| 17      | SNIDHA SHEET             | 01FE19081015 |           |
| 18      | VASHNAAVI G HUMANI       | 01FE19081016 |           |
| 19      | SHRUSHTI KARNI           | 01FE19081018 |           |
| 20      | COLIN HALLAD             | 01FE19081019 |           |
| 21      | ANUSHA S ANOADI          | 01FE19081020 |           |
| 22      | PARSHVA NARAYAN VIKRAM   | 01FE19081022 |           |
| 23      | NAVENE E AZHAR           | 01FE19081023 |           |
| 24      | KOLINNEKS SHI A HARSHAN  | 01FE19081024 |           |
| 25      | ANUSHA VINI              | 01FE19081026 |           |
| 26      | CIANTIA ARGENTES         | 01FE19081027 |           |
| 27      | SHI SHREYA KHAVALI GOP   | 01FE19081028 |           |
| 28      | GOVIND KARAOKI           | 01FE19081029 |           |
| 29      | PAULUS ARIHOE            | 01FE19081030 |           |
| 30      | DINSHIKA                 | 01FE19081031 |           |
| 31      | SANJITHA MANSATHI        | 01FE19081032 |           |
| 32      | RESHA NAAYDA             | 01FE19081034 |           |
| 33      | NEENA AATHI JANALI       | 01FE19081035 |           |
| 34      | SIREYA NAYAN             | 01FE19081036 |           |
| 35      | ANUSHA VASINDRA          | 01FE19081037 |           |
| 36      | PRANJITHA LINGADODIMATHI | 01FE19081038 |           |
| 37      | DEEPAK SENA ANAAYAR      | 01FE19081039 |           |
| 38      | SNEHA S HIREMATH         | 01FE19081040 |           |
| 39      | PRANVA WADGADE           | 01FE19081041 |           |
| 40      | KANISHKA MONDAL          | 01FE19081042 |           |
| 41      | SRIVANCI ARADHYAMATHI    | 01FE19081043 |           |
| 42      | VASHEENI ASHLEY          | 01FE19081044 |           |
| 43      | VISHVAJIT R KAVI         | 01FE19081045 |           |
| 44      | SHIVAN RANJAN            | 01FE19081047 |           |
| 45      | SURESHAN DENAI           | 01FE19081048 |           |
| 46      | NEENA P. RAGHABEG        | 01FE19081049 |           |
| 47      | PREETHA PRAKASHINI       | 01FE19081050 |           |
| 48      | ANUSHA SOLAI             | 01FE19081051 |           |
| 49      | JAYAN S ANGOOTI          | 01FE19081052 |           |
| 50      | SHRUTI KAVI              | 01FE19081053 |           |
| 51      | YASODA KINOH             | 01FE19081054 |           |



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**1.3.2 Number of value-added courses for imparting transferable and life skills offered during the year**

| Name of the value added courses offered | Course code (if any) | Year of offering | No. of times offered during the same year | Duration of course | Number of students enrolled in the year | Number of students completing the course in the year |
|---|----------------------|------------------|---|--------------------|---|--|
| Fermentation Technology                 | NA                   | 2021-22          | 01  | 40 hrs             | 51                                      | 51   |
| Mammalian Cell Culture                  | NA                   | 2021-22          | 01  | 32 hrs             | 44                                      | 44   |

*Beengard*  
Head of Department  
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# Report on

## Four Days Workshop on

# Fermentation Technology

**Students:** VI SEM (Batch 2019-23)

**No. of students participated:** 51

**Date:** 09/04/2022, 10/04/2022 to 13/04/2022.

**Resource Person:** Sharanappa Achappa

**Fermenter Used:** 5lt Scigenics Fermenter and 50lt Pilot-Scale fermenter.

*B. V. B. Achappa*  
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---

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**Content Table**

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| 02     | Workshop schedule and details | 04       |
| 03     | List of Activities            | 07       |
| 04     | Feedback from students        | 09       |
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**Objectives of Workshop**

Biotechnology Department conducted 4 days workshop on Fermentation & Bioprocess Technology for VI SEM students from 10/04/2022 to 13/04/2022.

**The objective of this workshop is to give**

1. Hands-on-training on fermentation process like operation, calibration and troubleshooting.
2. Insights of standard operating procedure (SOP).
3. Overview of design of fermenter with respect to construction and working of fermenter.
4. Introduction to Scale-up process.



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**Workshop Schedule**

The detail schedule of the workshop as follows

| Pre-Workshop Modules   |  |
|--|--|
| <b>Batch 1: Monday:07/03/2022 - Time:1.30pm to 4.30pm</b><br><b>Batch 2: Tuesday:08/03/2022 - Time:8.00am to 11.00am</b><br><b>Batch 3: Thursday:03/03/2022 – Time:8.00am to 11.00am</b><br><b>Batch 4: Friday:04/03/2022 - Time:1.30pm to 4.30pm</b><br><b>Module:</b> Basic of fermentation<br>Different parts of fermenter<br>Fermenter design consideration<br>Individual students will be given to assembly of different parts of fermenter and set it for fermentation process.                    |  |
| <b>Batch 1: Monday:14/03/2022 - Time:1.30pm to 4.30pm</b><br><b>Batch 2: Tuesday:15/03/2022 - Time:8.00am to 11.00am</b><br><b>Batch 3: Thursday:16/03/2022 – Time:8.00am to 11.00am</b><br><b>Batch 4: Friday:18/03/2022 - Time:1.30pm to 4.30pm</b><br><b>Module:</b> BiSEP Lab: 50lt Pilot Scale Fermenter.<br>Different parts of fermenter, Fermenter design consideration, Arrangement of pipe lines and operation of control panel and setting up the fermentation process by using control panel. |  |
| Day 1 10/04/2022   |  |
| <b>Time: 9.00AM to 1.00PM (All Batches)</b><br>1. Preparation of fermentation flask.<br>2. Sterilization.<br>3. Inoculation in to inoculation flask.   |  |
| Day 2 11/04/2022   |  |
| <b>Time: 9.00AM to 10.00AM (B1 Batch)</b><br><b>Time: 10.00AM to 11.00AM (B2 Batch)</b><br><b>Time: 11.00AM to 12.00PM (B3 Batch)</b><br><b>Time: 12.00PM to 1.00PM (B4 Batch)</b><br>Students will learn and have Hands on experience on the following:<br>1. Aseptic methods of operations.<br>2. SOP of fermenter<br>3. Calibration of sensors Operation of fermenter   | <b>Time: 8.00AM to 6.00PM (All Batches)</b><br>Following activities students should perform,<br>1. All batch students should inoculate in to fermentation flask and should collect samples for every 3 hrs of incubation starting from 8am to 6pm.<br>2. Samples should be used for estimation of Biomass, substrate, and product concentration. |



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|  |  |
|--|--|
| <b>Lunch Break 1.00PM to 2.00PM</b>  |  |
| <b>Time: 2.00AM to 3.00PM (B1 Batch)</b><br><b>Time: 3.00PM to 4.00PM (B2 Batch)</b><br><b>Time: 4.00PM to 5.00PM (B3 Batch)</b><br><b>Time: 5.00PM to 6.00PM (B4 Batch)</b><br>Individually students will undergo hands on experience on the following procedures,<br>Inoculation, Sampling, Aeration, Foam control & SOP |  |
| <b>Day 3 12/04/2022</b>  |  |
| <b>Time: 9.00AM to 10.00AM (B1 Batch)</b><br><b>Time: 10.00AM to 11.00AM (B2 Batch)</b><br><b>Time: 11.30AM to 12.30PM (B3 Batch)</b><br><b>Time: 12.30PM to 1.30PM (B4 Batch)</b><br>Media Preparation<br>Sterilization procedure<br>Inoculum Preparation   | <b>Time: 8.00AM to 6.00PM (All Batches)</b><br>Following activities students should perform,<br>1. Collect samples for every 3 hrs of incubation starting from 8am to 6pm.<br>2. Samples should be used for estimation of Biomass, substrate, and product concentration. |
| <b>Lunch Break 1.30PM to 2.30PM</b>  |  |
| <b>Time: 5.00PM to 6.00PM (All Batches)</b><br><b>Inoculation in to 5lt fermenter</b>  | <b>Time: 2.30PM to 3.30PM (All Batches)-In class room</b><br>Understanding of<br>1. Cell death kinetics<br>2. Dell factor calculation<br>3. Batch sterilization process<br>4. Inoculation of fermenter   |
| <b>Day 4 13/04/2022</b>  |  |
| <b>Time: 8.00AM to 6.00PM (All Batches)</b><br>Following activities students should perform,<br>1. Collect samples for every 3 hrs of incubation starting from 8am to 6pm.<br>2. Samples should be used for estimation of Biomass, substrate, and product concentration.   |  |
| <b>Time: 9.00AM to 11.00AM</b>   |  |
| <b>For all batches in Class room</b>   |  |
| Application of statistical methods in Bioprocess Engineering,<br>Correlation & Regression, T-Test, ANOVA, Turkey test<br>Regulatory guidelines<br>SOP & Documentation  |  |
| <b>Time: 11.00AM to 1.30PM</b>   |  |
| <b>Batch1 and 3</b><br>1. KLa estimation   |  |



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- |  |
|--|
| 2. Power requirement calculation       |
| 3. Mixing time and Sampling procedures |

**Lunch Break 1.30PM to 2.30PM**

**Time: 3.00PM to 6.00PM**

**Batch2 and 4**

- |  |
|--|
| 1. KLa estimation                      |
| 2. Power requirement calculation       |
| 3. Mixing time and Sampling procedures |





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**List of Activities**

Following are the list of activities students should perform during the workshop.

| Sr.No | Date  | Time                | Activity   | Requirement (Each batch)  |
|-------|---|---------------------|--|---|
| 01    | 09/04/2022<br>Saturday                                | 10.30 to<br>6.00pm  | <ol style="list-style-type: none"><li>1. Media preparation for inoculum flask (250ml, 50ml media, 1 flask).</li><li>2. Media preparation for fermentation flask (250ml, 120ml media, 2 flask, each flask will have 2 different concentration glucose).</li><li>3. Media preparation for Solid State Fermentation (250ml flask, 20gm solid media, 1 flask).</li><li>4. Above flask should be sterilize.</li></ol> | <ol style="list-style-type: none"><li>1.250ml conical flask – 05.</li><li>2.Centrifuge tubes – 15no.</li><li>3.Test tubes: 25 no.</li><li>4.Test tube rack – 2no.</li><li>5.Micropipette – 2 No.</li><li>6.Micropipette tips – 1 box.</li></ol> |
| 02    | 10/04/2022<br>Sunday                                  | 10.00 to<br>12.00pm | Transfer of loop full of culture from slant to inoculum flask and kept it for 24hrs of incubation  |   |
| 03    | 11/04/2022<br>Monday<br>To<br>13/04/2022<br>Wednesday | 8.00am to<br>6.00pm | <ol style="list-style-type: none"><li>1. Inoculation in to the fermentation flask</li><li>2. 48hrs of incubation at room temperature on shaker 120rpm.</li><li>3. Sample collection (5ml), centrifugation and analysis for Biomass, substrate and product (protein) concentration for every 3hrs starting from 8.00am to 6.00pm for 3 days.</li></ol>  |   |



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**Note:**

1. As per the discussion during BPE lab, each batch should subculture the desired organism and keep it ready for fermentation.
2. Following are the list of organism selected for different batches

| <b>Batch No.</b> | <b>Minor project group</b> | <b>Microorganism</b>   | <b>Product</b> |
|------------------|----------------------------|------------------------|----------------|
| B1               | G2                         | <i>Enterobacter sp</i> | Lipase         |
| B2               | G7                         | <i>Bacillus sp</i>     | Protease       |
| B3               | G10                        | <i>Bacillus sp</i>     | Pectinase      |
| B4               | G12                        | <i>Streptomyces sp</i> | Amylase        |

3. For SSF, students should get the solid media (by product of agricultural or industry) before Saturday ie 9/04/2022.
4. Sample collected should be analyzed on the same day.
5. All students should be present during the workshop from 8.00am to 6.00pm.











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**Fermentation Technology Workshop Attendance**

**B2 Batch**

| Roll No. | Name of Students        | USN          | Attendance |      |      |       |       |      |         |      |      |      |      |
|----------|-------------------------|--------------|------------|------|------|-------|-------|------|---------|------|------|------|------|
|          |                         |              | Date       | 8/3  | 15/3 | 9/4   | 10/4  | 11/4 | 11/4-10 | 11/4 | 12/4 | 13/4 | 13/4 |
|          |                         |              | Time       | 8-00 | 8-00 | 10-00 | 10-00 | 8-9  | 9-10    | 8-6  | 8-6  | 9-10 | 1-00 |
| 14       | SRAJANA                 | 01FE19BBT012 |            | ✓    | ✓    | ✓     | ✓     | ✓    | ✓       | ✓    | ✓    | ✓    | ✓    |
| 15       | MANJUNATH GOULA         | 01FE19BBT013 |            | ✓    | ✓    | ✓     | ✓     | ✓    | ✓       | ✓    | ✓    | ✓    | ✓    |
| 16       | SONIYA D KALLUR         | 01FE19BBT014 |            | ✓    | ✓    | ✓     | ✓     | ✓    | ✓       | ✓    | ✓    | ✓    | ✓    |
| 17       | SNEHA SHET              | 01FE19BBT015 |            | ✓    | ✓    | ✓     | ✓     | ✓    | ✓       | ✓    | ✓    | ✓    | ✓    |
| 18       | VAISHNAVI G HULMANI     | 01FE19BBT016 |            | ✓    | ✓    | ✓     | ✓     | ✓    | ✓       | ✓    | ✓    | ✓    | ✓    |
| 19       | SHREYA G KULKARNI       | 01FE19BBT018 |            | ✓    | ✓    | ✓     | ✓     | ✓    | ✓       | ✓    | ✓    | ✓    | ✓    |
| 20       | GOURI HALLAD            | 01FE19BBT019 |            | ✓    | ✓    | ✓     | ✓     | ✓    | ✓       | ✓    | ✓    | ✓    | ✓    |
| 21       | ANUSHA S ANGADI         | 01FE19BBT020 |            | ✓    | ✓    | ✓     | ✓     | ✓    | ✓       | ✓    | ✓    | ✓    | ✓    |
| 22       | TAKSHIKA MAHALAXMIKAR   | 01FE19BBT022 |            | ✓    | ✓    | ✓     | ✓     | ✓    | ✓       | ✓    | ✓    | ✓    | ✓    |
| 23       | NAVEEN C MALIGER        | 01FE19BBT023 |            | ✓    | ✓    | ✓     | ✓     | ✓    | ✓       | ✓    | ✓    | ✓    | ✓    |
| 24       | KGUNINEKASHIFA HARIHAR  | 01FE19BBT024 |            | ✓    | ✓    | ✓     | ✓     | ✓    | ✓       | ✓    | ✓    | ✓    | ✓    |
| 25       | ANCHAL JAIN             | 01FE19BBT026 |            | ✓    | ✓    | ✓     | ✓     | ✓    | ✓       | ✓    | ✓    | ✓    | ✓    |
| 26       | CLAVITA ANTON RODRIGUES | 01FE19BBT027 |            | ✓    | ✓    | ✓     | ✓     | ✓    | ✓       | ✓    | ✓    | ✓    | ✓    |

  
Faculty coordinator

  
HOD



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**Fermentation Technology Workshop Attendance**

**B3 Batch**

| Roll No. | Name of Students      | USN          | Attendance |         |         |         |         |         |         |         |         |         |         |  |
|----------|-----------------------|--------------|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|
|          |                       |              | Date       | 3/3     | 10/3    | 9/4     | 10/4    | 11/4    | 11/4    | 11/4    | 12/4    | 13/4    | 13/4    |  |
|          |                       |              | Time       | 8-00    | 8-00    | 10-00   | 10-00   | 8-10    | 12-15   | 3-00    | 9-6     | 9-10    | 2-30    |  |
| 27       | SHUSHMITA K           | 01FE19BBT028 | Present    | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |  |
| 28       | GUI AME MUSTAFA N K   | 01FE19BBT029 | Present    | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |  |
| 29       | RAHUL S AIHOLE        | 01FE19BBT030 | Present    | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |  |
| 30       | DINESH K A            | 01FE19BBT031 | Present    | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |  |
| 31       | SAMIKSHA MANJUNATH    | 01FE19BBT032 | Present    | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |  |
| 32       | NISHA NAVADA          | 01FE19BBT034 | Present    | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |  |
| 33       | NIDANAAS H JAKATI     | 01FE19BBT035 | Present    | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |  |
| 34       | SHREYA NAYAK          | 01FE19BBT036 | Present    | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |  |
| 35       | KHOT AARYA J          | 01FE19BBT037 | Present    | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |  |
| 36       | PRANITA ULLAGADDIMATH | 01FE19BBT038 | Present    | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |  |
| 36       | LEELPAK               | 01FE19BBT039 | Present    | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |  |
| 37       | SUNKANNAVAR           | 01FE19BBT040 | Present    | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |  |
| 38       | SNEHA S HIREMATH      | 01FE19BBT040 | Present    | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |  |
| 39       | POOJA WAGHMODE        | 01FE19BBT041 | Present    | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |  |

  
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HOD



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**Fermentation Technology Workshop Attendance**

**B4 Batch**

| Roll No. | Name of Students      | USN          | Attendance   |         |         |         |         |         |         |         |         |         |         |      |
|----------|-----------------------|--------------|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|
|          |                       |              | Date<br>Time | 4/3     | 18/3    | 9/4     | 10/4    | 11/4    | 11/4    | 11/4    | 11/4    | 12/4    | 13/4    | 13/4 |
| 40       | BIKASHITA MONDAL      | 01FE19BBT042 | 9:30         | 9:30    | 11:00   | 10:00   | 8-10    | 11-20   | 9       | 9-6     | 9:30    | 9:30    |         |      |
| 41       | SHIVANI C ARADHYAMATH | 01FE19BBT043 | Present      | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |      |
| 42       | VARSHINI A SHETTY     | 01FE19BBT044 | Present      | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |      |
| 43       | VAISHNAVI R KAVI      | 01FE19BBT045 | Present      | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |      |
| 44       | SUMAN R ANTAL         | 01FE19BBT047 | Present      | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |      |
| 45       | SHREEDHAR DESAI       | 01FE19BBT048 | Present      | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |      |
| 46       | NEHA P BOCHAGERI      | 01FE19BBT049 | Present      | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |      |
| 47       | NIKITA PRAKASH T M    | 01FE19BBT050 | Present      | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |      |
| 48       | ANKITA SOLAGI         | 01FE19BBT051 | Present      | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |      |
| 49       | SHIVANI S ANGADI      | 01FE19BBT052 | Present      | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |      |
| 50       | SHREYA KATWE          | 01FE19BBT053 | Present      | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |      |
| 51       | VIJETA D SINGH        | 01FE19BBT054 | Present      | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |      |

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# Feedback from Students:

## 1. Concepts covered during the workshop

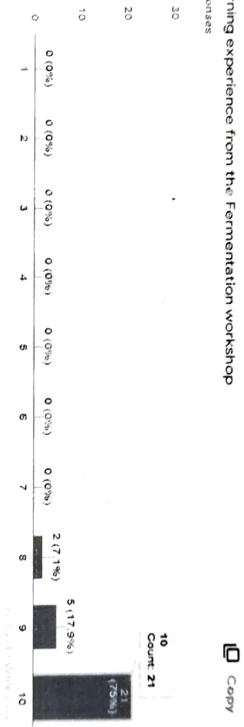
28 responses



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## 2. Learning experience from the Fermentation workshop

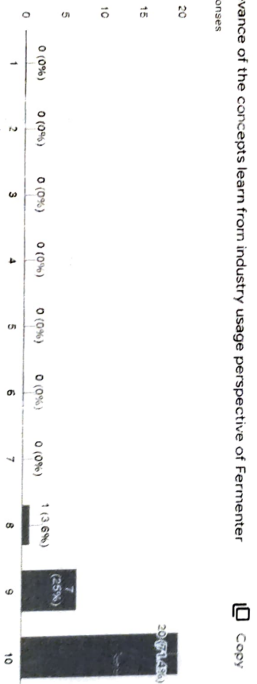
28 responses



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## 3. Relevance of the concepts learn from industry usage perspective of Fermenter

28 responses



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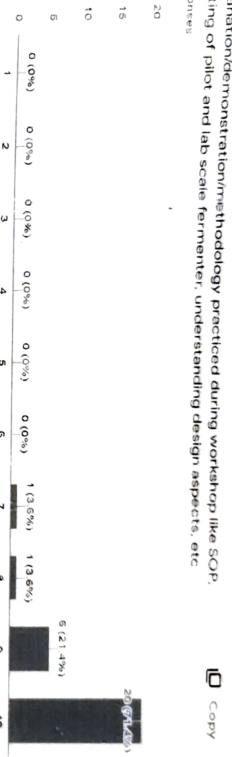




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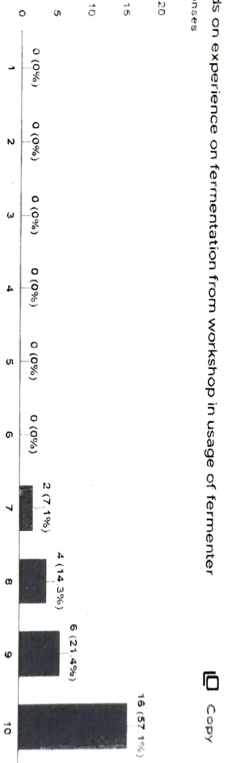
4. Explanation/demonstration/methodology practiced during workshop like SOP, operating of pilot and lab scale fermenter, understanding design aspects, etc.

28 responses



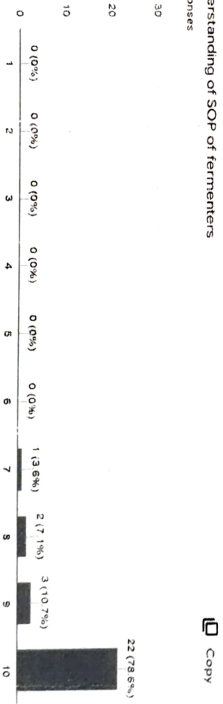
5. Hands on experience on fermentation from workshop in usage of fermenter

29 responses



6. Understanding of SOP of fermenters

28 responses



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### 7. Comments regarding operating procedure of lab scale fermenter 24 responses

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Operating procedure is pretty simple once we understand every part of the fermenter. All basic operating fundamentals and operations was covered. The workshop was very useful and informative.

Good experience, learnt many skills during workshop activities

It was good

Well discussed

It was a very good experience. And a hands on experience of how to handle and operate Fermenter

Learnt the basics and etiquettes of a lab researcher n how the fermentation works

Learned operating of lab scale fermenter

### 8. Comments regarding operating procedure of pilot scale fermenter 25 responses

Operated fermenter in a systematic manner and was interesting

Fermenter is in good condition and slightly complex to operate but still we can operate it

It is very helpful for learning

Everything fine

We have to relate the operating conditions with lab scale Fermenter to make it simple because pilot scale is more of automated, and we can also provide all the required conditions here.

Pilot scale fermenter basics and all regarding operations and calculations was clearly taught.

Sufficient information on operating the pilot scale fermenter

Nice



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9. Any comments/suggestion for improvement  
28 responses

13000

Good experience

This workshop was very helpful to learn about fermentation.

Nothing as such... Would like to have more workshops if possible.

Workshop days should be extended

No comments

No improvement all is perfect.

It is very hectic schedule because time is short

No much of improvements required, it'll be great if they continue the same.

Students should be provided facilities

10. Comments on course instructor (Sharanappa A.) in giving the over all experience on  
fermentation process.  
24 responses

Sir patiently cleared our doubts and explained the concepts. The workshop was organized well

Every minute thing was been tried to explain and made to understand regarding fermentation, kinetics  
and other SOPs and Operations

Instructions was given clearly, instructor was too good and explained every step in a understandable  
manner

Very nice and polite person

Explained everything neatly

Very good experience for all

All SOP's were followed neatly and hands on experience was given

Good

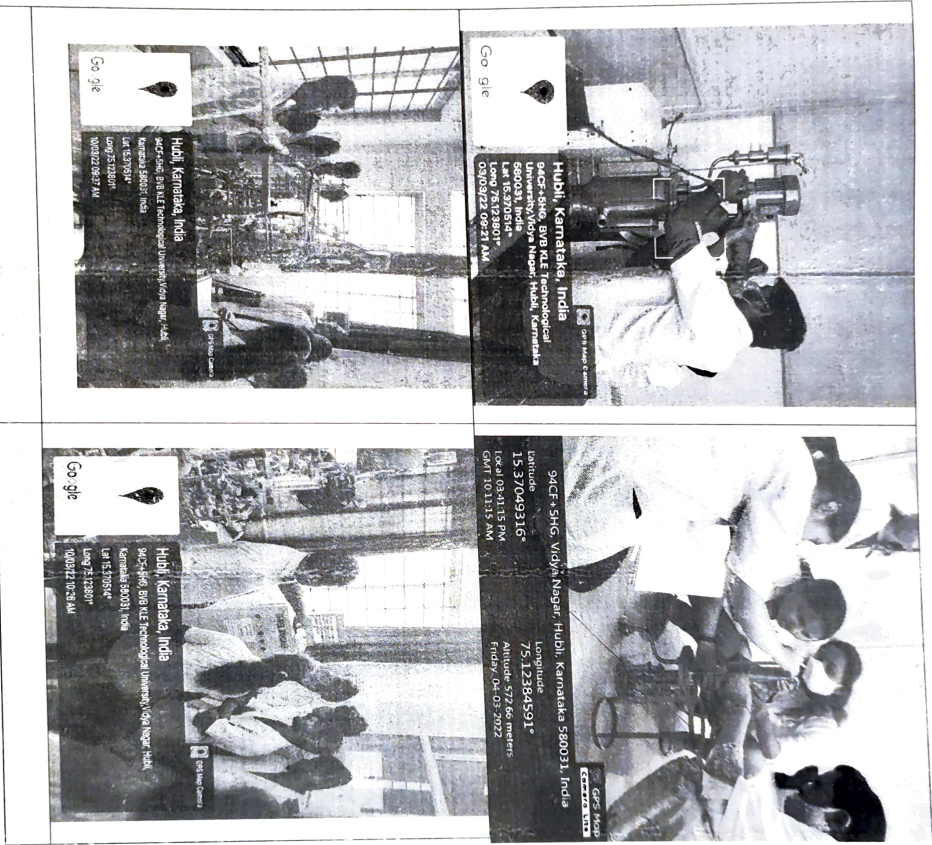
It was a good session

He conducted the workshop very patiently and made sure everyone understood the basics clearly. He also



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Photo Gallery







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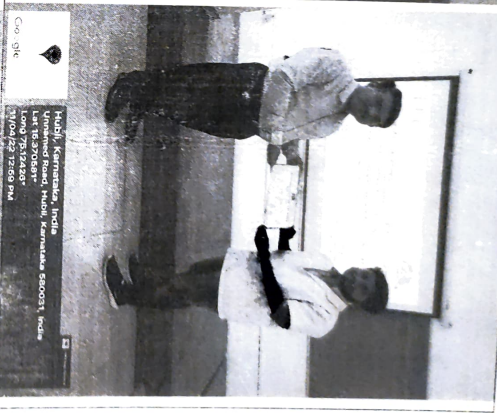
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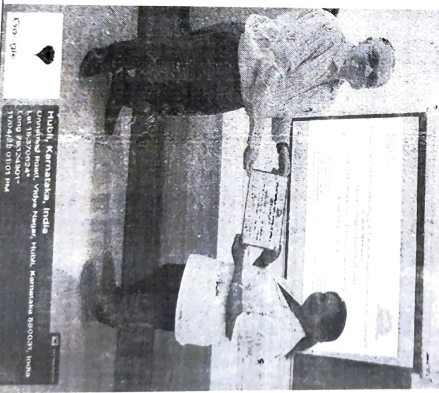
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