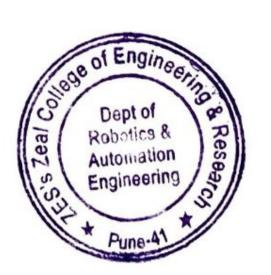




### 3.2.2 SUMMARY

### Department: Robotics & Automation

| Sr. No. | A.Y.      | Name of the Workshop/Seminar   | Date                     | No. of Beneficiary |
|---------|-----------|--|--------------------------|--------------------|
| 01      | 2021-2022 | Young Scientist -Focus , Approach, Methods and<br>Challenges               | 15.10.2021 To 15.10.2021 | 53                 |
| 02      | 2021-2022 | Revealed DRDO Working Contribution in Research & Development & Recruitment | 21.10.2021 To 21.10.2021 | 58                 |
| 03      | 2021-2022 | Research Communications  | 18.11.2021 To 18.11.2021 | 46                 |



Head of the Department

Head of Department

Dept. of Robitics & Automation Engg.

ZES's Zeal College of

Engineering & Research

Narhe, Pune-411041





Record No.: ZCOER-ACAD/R/21

Revision: 00

Date: 01/04/2021

### **Permission for Industry Expert Session**

Div: A

Department: Robotics & Automation Engineering Semester: I

Academic Year: 2021-2022

Date: 14/10/2021

To,

The Principal

Class: SE

ZCOER, Pune

Subject: Permission for scheduling an Industry Expert Session

Respected Sir,

For enhancing the understanding of students about "Young Scientists - Focus, Approach, Methods and Challenges", it planned to schedule an Industry Expert Session for the Program S.E. Robotics & Automation Engineering. The best suitable expert is identified for this session and the details are as given below.

| Name of Expert:    | Shri. Srinivas Chamarthy                    |
|--------------------|---|
| Designation:       | Chief Innovation Executive & MD             |
| Organization:      | CYME Automation Systems Pvt Ltd., Hyderabad |
| Experience:        | 25 Years                                    |
| Date:              | 15/10/2021                                  |
| Time and Duration: | 02: 45 pm to 04:15 pm                       |

### **Remuneration Details:**

| Number of Hrs. of session | Remuneration/ Hr. | Total             |  |  |
|---------------------------|-------------------|-------------------|--|--|
| 1:30 Hr                   | -Nil-             | -Nil-             |  |  |
|                           |                   | (In Words: -Nil-) |  |  |

You are hereby requested to kindly permit the conduction of the above said session and sanction og of Engineering

Dept of

Robbids &

Auto - ation

Engineering

the remuneration of Rs. -Nil-

Prof. N. B. Surwase **Course Faculty** 

Remark by Principal:

Allowed

14/10/20st.

Prof. Y. R. Ingole **Head of Department** Head of Department

Dept. of Robitics & Automation Engg. ZES's Zeai College of Engineering & Research Narhe, Pune-411041



# ZEAL COLLEGE OF ENGINEERING & RESEARCH, PUNE

Department of Robotics & Automation Engineering

On the occasion of 90th Birth Anniversary of Former President of India,

Dr. A. P. J. Abdul Kalam, which is also celebrated as "World Students Day", ARCI is organizing

**Expert Session on** 





Speaker

### Shri. Srinivas Chamarthy

Chief Innovation Executive & MD,
CYME Automation Systems Pvt Ltd., Hyderabad India



15.10.2021 | Friday © 02:45 pm to 06:15 pm To join the lecture via Cisco Webex, please click the below link.
Link: shorterl.st/itPS1 O webex

Prof. N. B. Surwase Session Coordinator 8459328618

Prof. Y. R. Ingole
HoD,
Robotics & Automation Engg.

Dr. A. M. Kate Principal, ZCOER, Pune

Fellow us at : zealinstitutes (100000



# Azadi Ka Amrit Maholsan





ARCI is organizing a series of events as part of '**Azadi Ka Amrit Mahotsav'**, an initiative of the Government of India to celebrate and commemorate 75 years of progressive India. This year also marks 25th Anniversary of ARCI. On the occasion of Abdul Kalam, which is also celebrated as 'World Students **Day**', ARCI is organizing a talk by **Shri Srinivas Chamarthy**, Chief Innovation Executive & MD, CYME Automation Systems Pvt ds and Challenges" on October 15, 2021 at 14.45 hrs. 90th Birth Anniversary of Former President of India, Dr. A. P. J. Ltd., Hyderabad on "**Young Scientists** - Focus, Approach, Metho



Young Scientists - Focus, Approach, Methods and Challenges

Shri Srinivas Chamarthy #AJourneyToRealizeSELF A Mission towards Atma Nirbhar Bharat

# PROGRAMME

October 15, 2021

14.45 hrs Welcome remarks by Dr. P. K. Jain, Scientist 'G' &

Chairman-Organizing Committee - AKAM 2021-22

Address by Dr. Tata Narasinga Rao, Director (Additional Charge), ARCI 5.00 hrs Talk by Shri Srinivas Chamarthy followed by Q&A

6.15 hrs Vote of thanks by Dr. R. Subasri, Scientist 'G' & Member - Organizing Committee - AKAM 2021-22 For queries: events@arci.res.in

Meeting Number: 2516 258 6899; Password: 1234

Meeting Link: https://arci.webex.com/arci/j.php?MTID=m0a0e3675d51e416103ea2928cb51dbae





Record No.: ZCOER-ACAD/R/39

Revision: 00

Date: 01/04/2021

### **Notice**

Department: Robotics & Automation Engg.

Sem: I

Academic Year: 2021-2022

Date: 14.10.2021

On the occasion of 90th Birth Anniversary of Former President of India, Dr. A. P. J. Abdul Kalam, which is also celebrated as "World Students Day", ARCI (International Advanced Research Centre for Powder Metallurgy and New Materials) is organizing a talk by Shri Srinivas Chamarthy, Chief Innovation Executive & MD, CYME Automation Systems Pvt Ltd., Hyderabad on "Young Scientists - Focus, Approach, Methods and Challenges" on October 15, 2021 at 02.45 hrs

All are informed to attend the online webinar.

Mode: Online via Cisco Webex

Meeting Link:

https://arci.webex.com/arci/j.php?MTID=m0a0e3675d51e416103ea2928cb51dbae

OR

Join via Cisco Webex Meetings (App / Web) using

Meeting Number: 2516 258 6899; Password: 1234

Attendance is compulsory to all.

Dept of Rose Auto ation Engineering Control Auto ation Engineering Control Pune-41

Prof. Yogesh R. Ingole Head of the Department

Head of Department

Sept. of Rossins & Automation Engg

ES & Total College of

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### Industry Expert/ Guest Faculty Invitation Letter

Date: 07/10/2021

To,
Shri Srinivas Chamarthy
Chief Innovation Executive & MD, CYME,
Automation Systems, Pvt Ltd. Hyderabad.

Subject: Invitation for Expert lecture on topic Young Scientists - Focus, Approach, Methods and Challenge

Respected Sir,

It gives us an immense pleasure to invite you as expert for guest lecture on topic "Young Scientists - Focus, Approach, Methods and Challenge" organized by Department of Robotics & Automation Engineering scheduled on 15<sup>th</sup> October 2021 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe, Pune -41, India. The main purpose of this expert lecture for student is to aware students about research work in the field of science & Technology.

We look forward to your esteemed presence on this occasion. Your cooperation in this direction will highly encourage us and make this program a grand success.

Dept of Robotics & Automation Engineering Co. Pune-41

Head of Department





### EXPERT SESSION ONE PAGE REPORT

Date: 16/10/2021

To,

The H.O.D.

Robotics & Automation Engineering Department,

ZCOER, Narhe.

Subject: Report of Online Expert Session conducted by Expert on topic "Young Scientists - Focus, Approach, Methods and Challenges".

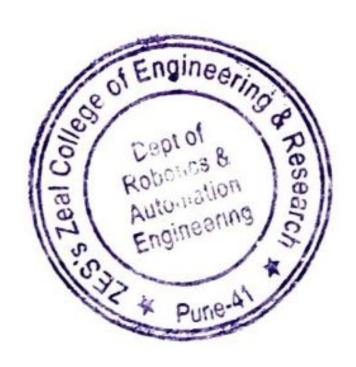
### Respected Sir,

With reference to above mentioned subject, I would like to inform you that, Mr. Srinivas Chamarthy, Chief Innovation Executive & MD, CYME Automation Systems Pvt Ltd., Hyderabad has successfully conducted an Expert Lecture for the Second Year student on the topic "Young Scientists - Focus, Approach, Methods and Challenges". Students of S.E. (Div. A) were present for this session and the session was very interesting and interactive, Mr. Srinivas Chamarthy gave insight about Young Scientists focus, approach, methods and challenges that involve the life of scientists. The session was very useful from a research and career point of view for the student which will really help them to explore the opportunities in the field of research and serve the society by providing solution to social problem.

Topics discussed during lecture:

| Sr. No | Contents Covered   | POs Mapping to the Contents                 |
|--------|--|---|
| 1      | The Session was planned to keep in view of research and career opportunities in field research in Robotics & Automation.  The students were given insights of scientists have an important role not only in avoiding inappropriate and dangerous decisions, but also advising policymakers and other stakeholders about the best and wiser moves to make towards a human-centered society, thereby fomenting scientific knowledge and enhancing cross-cultural connections and joint research. | PO4, PO6, PO9,<br>PO10, PO12, PSO1,<br>PSO4 |

Thanking You,



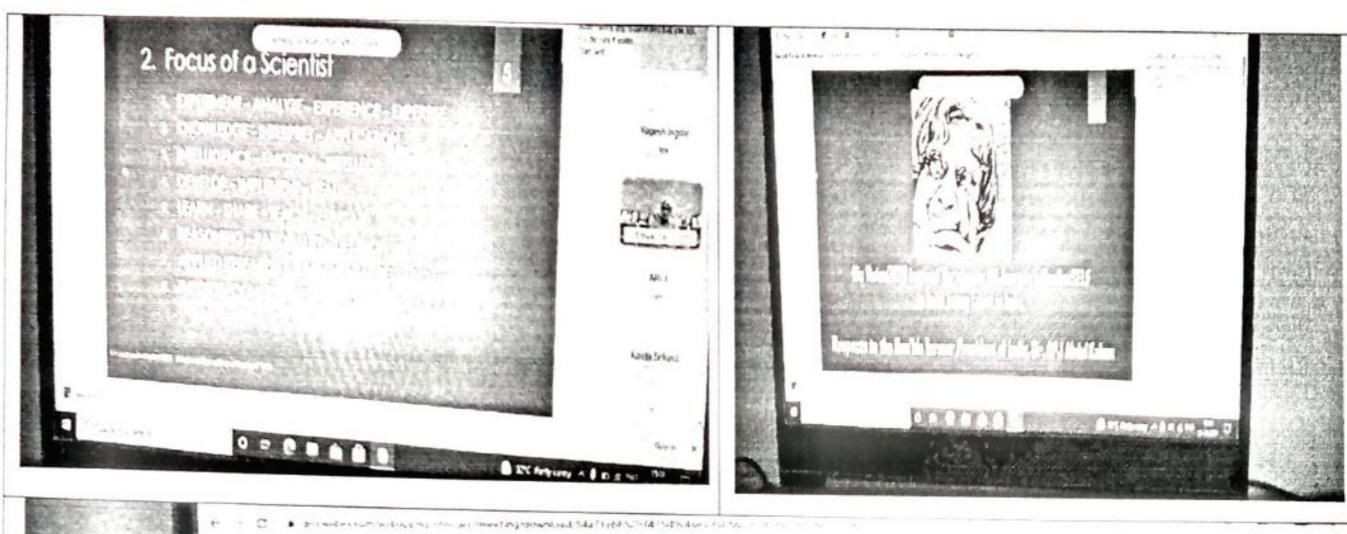
Yours Sincerely,

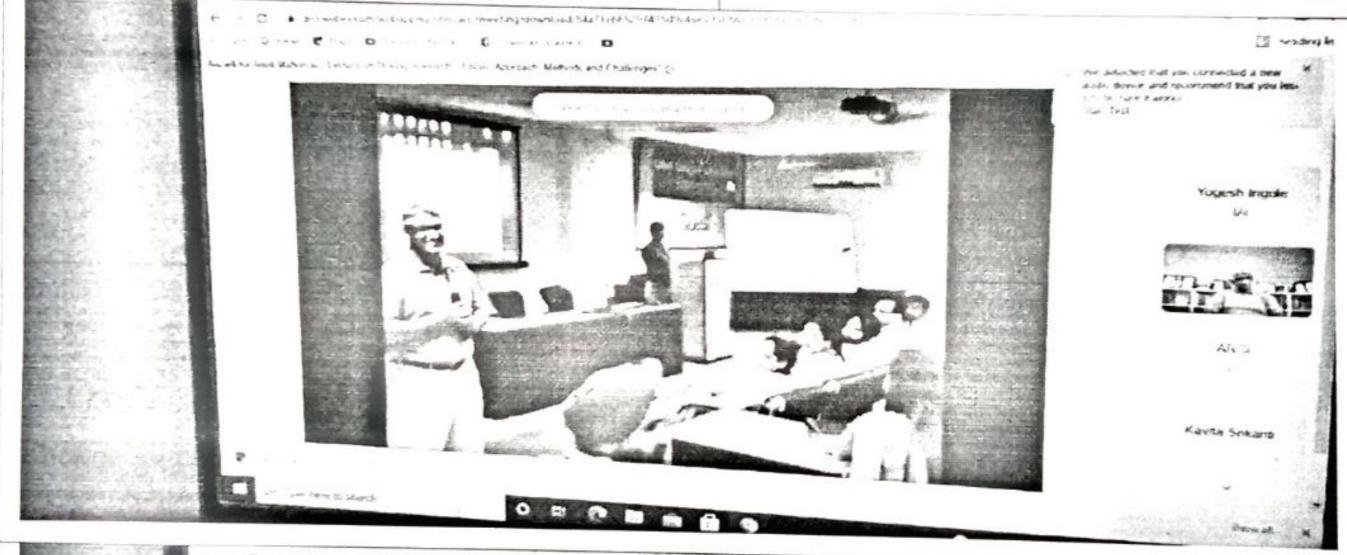
Prof. N. B. Surwase





### Photographs/Screen shots:







Expert Speaker Mr. Srinivas Chamarthy gave insights on "Young Scientists - Focus, Approach, Methods and Challenges" dated 15.10.2021.





### Letter of Thanks

Date: 15.10.2021

To,
Shri. Srinivas Chamarthy
Chief Innovation Executive & MD, CYME,
Automation Systems Pvt Ltd. Hyderabad.

1.

Subject: Letter of Thanks.

The Zeal Education Society's ZCOER would like to thank you for enlighten us on one of the important topic. Your talk on "Young Scientists - Focus, Approach, Methods and Challenge" was one of the best and interesting topics to be studied by our students. It was an honor for Zeal College of Engineering and Research to have you as our resourceful eminent speaker.

We believe that the knowledge you have shared will help immensely in the development of the students and eventually translate into better future for them in this sector.

We know that your time is precious and we are grateful you shared some of it with us. We look forward to get more time from your side to arrange such seminars in future.

Again, thank you so much. We hope to see you soon again.

Head of Department





### **Expert Lecture Attendance**

Date: 15/10/2021

Subject: Research

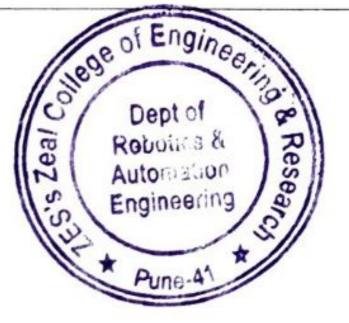
Class:SE

Div: A

Expert Name: Shri Srinivas Chamarthy

Expert lecture topic: Young Scientists - Focus, Approach, Methods and Challenges

| S.<br>N | Students name               | P/A | S.N | Students name                | P/A |
|---------|-----------------------------|-----|-----|------------------------------|-----|
| 1       | BAGADE SAKSHI LAXMAN        | Р   | 34  | PARDESHI SOURABH JAYDEEP     | Р   |
| 2       | BAGAWE SRUSHTI CHANDRAKANT  | Р   | 35  | PATIL BHAVIKA TARUNKUMAR     | Р   |
| 3       | BAKARE AUM SHAILENDRA       | Р   | 36  | PATIL YASH PRABHAKAR         | Р   |
| 4       | BHOSLE SAMRUDDHI SHEKHAR    | Р   | 37  | PAWAR VRUSHAB VISHNU         | Р   |
| 5       | CHAUDHARI LALIT VINOD       | А   | 38  | PORE AJIT PANDURANG          | Α   |
| 6       | CHAUHAN YASH NARENDRASINGH  | Р   | 39  | PRAJAPATI NILESH KAMLESH     | Р   |
| 7       | CHAVAN ANIKET BHUSHAN       | Р   | 40  | PUDALE RUSHIKESH NAMDEV      | Р   |
| 8       | CHAVAN PRATHAMESH JITENDRA  | Р   | 41  | RANDIVE VYANKTESH<br>MAHESH  | Р   |
| 9       | CHOWDHARY PANKAJ VAIDYANATH | Р   | 42  | RANGATE YASH PANDURANG       | Α   |
| 10      | DESHMUKH AACHAL RAJESH      |     | 43  | RANGREJ MUZAFFAR<br>YUNUSALI | Р   |
| 11      | DEVAKAR SHRIDATTA MADHUKAR  | Р   | 44  | RASAL VAIBHAV SANJAY         | Р   |
| 12      | DHAMNE MIHIR GANESH         | Р   | 45  | RAUT PRATIKSHA DINESH        | Р   |
| 13      | DHUMAL ROHAN VINAYAK        | Р   | 46  | ROKADE PRANALI RAJENDRA      | Р   |
| 14      | GAIKWAD SURAJ DHANAJI       | Р   | 47  | SABLE TUSHAR DAYANAND        | Р   |
| 15      | JADHAV RAHUL AJIT           | Р   | 48  | SALUNKHE VIKEE ASHOK         | Р   |
| 16      | JAGTAP ABHISHEK SUDHAKAR    | Р   | 49  | SALUNKHE YASH AJAY           | Р   |
| 17      | JAGTAP PRATHAM GOPINATH     | Р   | 50  | SANDUPATLA ANIKET DEEPAK     | Α   |
| 18      | KADU OM SANDEEP             | Р   | 51  | SHAH NIKUNJ CHANDRESH        | Р   |
|         |                             |     |     |                              |     |

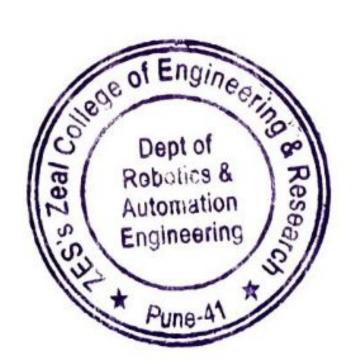






| 19 | KALE SHRINIVAS SANTOSH         | Р | 52 | SHAIKH AFAAN KHALID                  | Α |
|----|--------------------------------|---|----|--------------------------------------|---|
| 20 | KOLHE ROHAN LAXMAN             | Р | 53 | SHAIKH MOHAMMED ZAIN<br>ABDUL MASOOD | Р |
| 21 | KSHIRSAGAR AVANTI MAHESH       | Р | 54 | SHARMA PRERNA YOGESH                 | Α |
| 22 | KUTE CHAITANYA VITTHAL         | А | 55 | SHEIKH LAYBA MAHIN KANIJA<br>PARVIN  | Α |
| 23 | LAHAMAGE TEJAS KIRAN           | А | 56 | SHINDE ANISHA MARUTI                 | Р |
| 24 | MAHENDRE VINAY GANESH          | Р | 57 | SURYAWANSHI SURAJ<br>MALHARI         | Р |
| 25 | MAHTAB ALAM RISHAD             | А | 58 | THORAT SRUSHTI SADANAND              | Р |
| 26 | MALWADKAR ABHISHEK<br>YASHWANT | Р | 59 | THORAT VAISHNAVI<br>DADASAHEB        | Р |
| 27 | MATE ADITI PANDURANG           | Р | 60 | TUKARAL ASHISH SURYAKANT             | Р |
| 28 | MORE PRAJWAL SHAMRAO           | Р | 61 | VASVE KAUSHAL SOMNATH                | Р |
| 29 | NACHAN GOKUL NIVRUTTI          | A | 62 | WADHWA PAWAN ANIL                    | Р |
| 30 | NAIK KHUSHI BHASKAR            | Р | 63 | WAGHMARE LAMBODAR VIJAY              | Р |
| 31 | NAWAL SHIVAM DILIP             | P | 64 | WAMAN YASH SHANKAR                   | Р |
| 32 | NIKURE PRAJWAL DEVIDAS         | Р | 65 | YADAV SAHIL POPAT                    | Р |
| 33 | PADAWAL KEDAR DNYANESHWAR      | Р |    |                                      |   |

Present count: 53 About count: 12



Head of Department
Dept. of Robitics & Automation Engg.
ZES's Zeal College of
Engineering & Research
Narhe, Pune-411041





Record No.: ACAD/R/21B

Revision: 00

Date:01/04/2021

### **Industry Expert Session Feedback Analysis**

Department: Robotics & Automation Engineering

Academic Year: 2021-2022

Semester: I

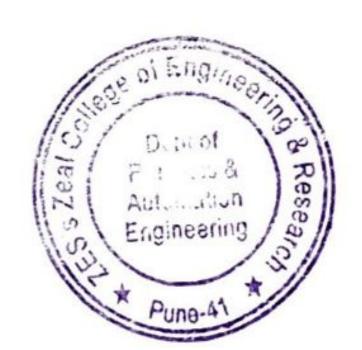
Date: 15.10.2021

Name of Expert/ Guest: Mr. Srinivas Chamarthy

| Sr. | Attribute  | No of magnenages | Marks      |       |
|-----|--|------------------|------------|-------|
| No. | Axttribute   | No. of responses | Obtained % |       |
| 1   | How would you rate the content of the session?                               |                  | 61         | 93.85 |
| 2   | How would you rate the knowledge of the guest for the session?               |                  | 57         | 87.69 |
| 3   | How would you rate the content delivery method of the guest for the session? |                  | 58         | 89.23 |
| 4   | How would you rate the management of the session?                            |                  | 57         | 87.69 |
| 5   | Do you think the content of the session added to your knowledge?             |                  | 64         | 98.46 |
|     |  |                  | Average%   | 91.38 |

1

Feedback Coordinator



Prof. Y. R. Ingole

H.O.D.

Head of Department

Dept. of Robbitos & Automation Engg.
ZES's Zear Corlege of
Engineering & Research
Narhe, Pune-411041





Record No.: ZCOER-ACAD/R/21

Revision: 00

Date:01/04/2021

### Permission for Industry Expert Session

Department: Robotics & Automation Engineering Semester: I Academic Year: 2021-2022 Class: SE

Div: A

Date: 12/09/2021

To,

The Principal

ZCOER, Pune

Subject: Permission for scheduling an Industry Expert Session

Respected Sir,

For enhancing the understanding of students about "Revealed DRDO Working Contribution in R & D and Recruitment", it planned to schedule an Industry Expert Session for the Program S.E. Robotics & Automation Engineering. The best suitable expert is identified for this session and the details are as given below.

| Name of Expert:    | Mr. Prem Borse   |
|--------------------|--|
| Designation:       | Scientist F  |
| Organization:      | Armament Research & Development Establishment (ARDE),<br>Pune. |
| Experience:        | 25 Yrs   |
| Date:              | 21/10/2021   |
| Time and Duration: | 11: 00 am to 12:30 pm  |

### Remuneration Details:

| Number of Hrs. of session | Remuneration/ Hr. | Total           |  |  |
|---------------------------|-------------------|-----------------|--|--|
| 1 Hr                      | -Nil-             | -Nil-           |  |  |
|                           |                   | (In Words: -Nil |  |  |

You are hereby requested to kindly permit the conduction of the above said session and sanction the remuneration of Rs. -Nil-

Prof. Y.R. Ingole Course Faculty

Remark by Principal: Allowed

Dept of Robotics & Automation Engineering

Prof. Y. R. Ingole Head of Department

**Head of Department** .Deer of Robitics & Automation Engg. ZES's Zeal College of Engineering & Research Narhe, Pune-411041

मारन मरकार, रक्षा मत्रालय रक्षा अनुस्थान एवं विकास संगठन आयुध अनुसंधान एवं विकास संस्थापन डॉ. होमी भाभा पथ, आयुध डाकघर, पापाण, पुणे - 411021 भारत



Service to Services

Government of India, Ministry of Delen. Defence R & D Organisation (DRDO)

> Armament R&D Estt. (ARDE) Dr. Homi Bhabha Road.

> > Armament Post, Pashan, Pune - 411021 INDIA

वंबगाईट /Website : www.drdo.com/labs/arma/arde

आय एम आ 9001 : 2015 प्रमाणित ISO 9001 2015 Certified

### ARDE/35/2/96 -Tech

06 Sep 2021

To,

The Principal, Zeal College of Engineering and Research, S.No. 39, Narhe Gaon Rd, Narhe, Pune - 411041

Subject : Lecture by ARDE / DRDO Scientists at Institutes / Colleges of repute in Pune.

Dear Sir/Madam,

Armament Research & Development Establishment (ARDE), a DRDO lab at Pune is working towards Design and Development of Armaments and Weapon systems since 64 years. ARDE has delivered many innovative Armament systems and sub-systems to Indian Army, Navy and Airforce and works on the motto of 'Service to Services'

The Hon'ble Prime minister has inaugurated the "Azadi ka Amrut Mahotsava" on 12th Mar 2021 to commemorate 75 years of India's independence. DRDO has taken many initiatives to organize various activities/events out of which one is lecture by scientist of the lab at academic institutions.

A senior scientist from ARDE will be deputed to give a lecture for the students of your institution. The lecture will give the idea about ARDE/DRDO working, projects at ARDE, technology required, products, opportunities etc. and entry to DRDO.

Lecture will be made available in online mode due to current situation of COVID and instructions / guidelines received from Government and Municipal bodies from time to time. This lecture will enrich the thought process of college students and catch the young minds so that they can develop better ideas and innovative skills and unleash their creativity. This will definitely improve their vision, provide focus and inclination, for the betterment of national objectives.

Taking this innovative idea forward, may I request you to intimate a suitable date and time (minimum 15 days in advance) for the lecture with name of one coordinator along with his / her phone number from your institute. Time duration of lecture will be around 60 to 90 minutes. This can be followed by audience questions on the topic.

Reply may kindly be sent with Kind Attention to Shri Alok Kanhai, Scientist 'F' Regards,

> SEMark Sc'G' (Dr (Mrs) SD NAIK) For Director ARDE



Yogesh Ingole <yogesh.ingole@zealeducation.com>

### Lecture by ARDE / DRDO scientists at Institutes / colleges of repute in pune.

1 message

Yogesh Ingole <yogesh.ingole@zealeducation.com>
To: hrdarde@rediffmail.com

Sun, Sep 12, 2021 at 7:23 PM

To,

Alok Kanhai,

Scientist 'F'
HRD Division,
Armament R&D Estt. (ARDE)
Dr. Homi Bhabha Road,
Armament post, Pashan,
Pune - 4II041, INDIA.

Respected Sir,

With reference to the above cited subject.(Letter received dated 06/09/2021, ARDE/35/2/96-Tech).

We are honoured and pleased to invite you as an Expert Speaker to this **online Session**. A one-hour session on "**ARDE/DRDO Working**, **Various projects at ARDE**" would be perfect and would definitely encourage and inspire our students with your amazing experiences in the field of Design and Development of Armaments and weapon systems.

Suitable Date: Wed, 29<sup>th</sup> September 2021.Time: 2:00 PM to 3:30 PM.(Subject to change - depends on your availability ).

Your kind consent in this regard would bring joy to all the students of our Zeal College of Engineering and Research.

We solicit your kind consent,

Yours faithfully,

Prof. Yogesh R Ingole Head, Department of Robotics & Automation Engineering Zeal College of Engineering & Research, Pune 9307620513/(9850538352 Wapp)



### Yogesh Ingole <yogesh.ingole@zealeducation.com

### Lectures by DRDO/ARDE Scientists Oct 2021

2 messages

Yogesh Ingole <yogesh.ingole@zealeducation.com>
To: hrdarde@rediffmail.com

Wed, Oct 13, 2021 at 10:17 PM

To,

Alok Kanhai,

Scientist 'F'
HRD Division,
Armament R&D Estt. (ARDE)
Dr. Homi Bhabha Road,
Armament post, Pashan,
Pune - 4II041, INDIA.

Respected Sir,

With reference to the above cited subject.(Letter received dated 06/09/2021, ARDE/35/2/96-Tech).

We are honoured and pleased to invite you as an Expert Speaker to this **online Session**. A one-hour session on "**ARDE/DRDO Working**, **Various projects at ARDE**" would be perfect and would definitely encourage and inspire our students with your amazing experiences in the field of Design and Development of Armaments and weapon systems.

Suitable Date: Tuesday, 19th October 2021..(Subject to change - depends on your availability ).

Your kind consent in this regard would bring joy to all the students of our Zeal College of Engineering and Research.

We solicit your kind consent,

Yours faithfully,

Prof. Yogesh R Ingole Head, Department of Robotics & Automation Engineering Zeal College of Engineering & Research, Pune 9307620513/(9850538352 Wapp)

Hrd <hrdarde@rediffmail.com>
To: Yogesh Ingole <yogesh.ingole@zealeducation.com>

Mon, Oct 18, 2021 at 11:40 AM

1/2

Dear Prof Yogesh Ingole,

https://mail.google.com/mail/u/0/?ik=1ea0ebf455&view=pt&search=all&permthid=thread-a%3Ar6930880148498861813&simpl=msg-a%3Ar693914256...

Thank you for response.

Due to some technical reason we are postponing our said lecture of 19 Oct 2021 to 21 Oct 2021.

We will come back to you within a day or two with exact Time. We will send you the Webex Link (Address) too.

Regards

Jayant Kale HRD/ARDE 020-2593 2756/55

[Quoted text hidden]

Reduce, Reuse and Recycle. Go GREEN and please consider our environment before printing this email.

This e-mail contains PRIVILEGED AND CONFIDENTIAL INFORMATION intended solely for the use of the addressee(s). If you are not the intended Recipient, please notify the sender by e-mail and delete the original message. Further, you are not to copy, disclose, or distribution of this E-mail or its contents to any other person and any such actions are unlawful. This e-mail may contain viruses. Zeal Education Society has taken every reasonable

precaution to minimize this risk, but is not liable for any Damage you may sustain as a result of any virus in this e-mail. You should carry out your own virus checks before opening the e-mail or attachment. Zeal Education Society reserves the right to monitor and review the content of all messages sent to or from this e-mail address. Messages sent to or from this e-mail address may be stored on the Zeal Education Society e-mail system.

\*\*\*\*\*\*\*\*-ZEAL EDUCATION SOCIETY-\*\*\*\*\*\*

-End of Disclaimer-

# RESEAR



# Speake

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Armament Research &



Robotics & Automation Engg. HoD & Session Coordinator Prof. Y. R. Ingole

Principal, ZCOER, Pune Dr. A. M. Kate







Record No.: ZCOER-ACAD/R/39

Revision: 00

Date: 01/04/2021

### Notice

Department: Robotics & Automation Engg.

Sem: I

Engineering

Academic Year: 2021-2022

Date: 19.10.2021

This is to inform that an Expert talk by Mr. Prem Borse, Scientist F, Armament Research Development Establishment, India, is scheduled on topic "DRDO: Revealed – Working, Contribution in R & D and Recruitment" on Thurday 21st of the October, 2021 from 11:00 am to 12:30 pm.

Mode: Online (Cisco Webex)

Attendance is compulsory to all.

Prof. Yogesh R. Ingole Head of the Department

Head of Department
Dept. of Pasition & Automation Engg.
ZES's Zo. J. College of
Engineering & Rusearch
Narhe, Pune-411041





### EXPERT SESSION ONE PAGE REPORT

Date: 22/10/2021

To,

The H.O.D.

Robotics & Automation Engineering Department,

ZCOER, Narhe.

Subject: Report of expert lecture conducted by Expert on topic "DRDO: Revealed -Working Contribution in R & D and Recruitment"

Respected Sir,

With reference to above mentioned subject, I would like to inform you that, Mr. Prem Borse, Scientist F, Armament Research & Development Establishment (ARDE), Pune has successfully conducted an Expert Session for the Second Year student on the topic "DRDO: Revealed, Working Contribution in R & D and Recruitment". Students of S.E. (Div. A) were present for this session and the session was very interesting and interactive, Mr. Prem Borse given insight about various projects undertaken by ARDE as well as working of the organization and recruitment process. The session was very useful from research and career point of view for the student which will really help them to explore the opportunities in the field of research.

Topics discussed during lecture:

| Sr. No | Contents Covered  | POs Mapping to the Contents                 |
|--------|---|---|
| 1      | The Session was planned to keep in view of any research organizational Contribution towards research and development for society.  The students were given insights of one of the research organization is DRDO. It is a network of more than 50 laboratories which are deeply engaged in developing Defence technologies covering various disciplines, like aeronautics, armaments, electronics, combat vehicles, engineering systems, instrumentation, missiles, advanced computing and simulation, special materials, naval systems. | PO4, PO6, PO9, PO10, PO11, PO12, PSO1, PSO4 |

Thanking You,

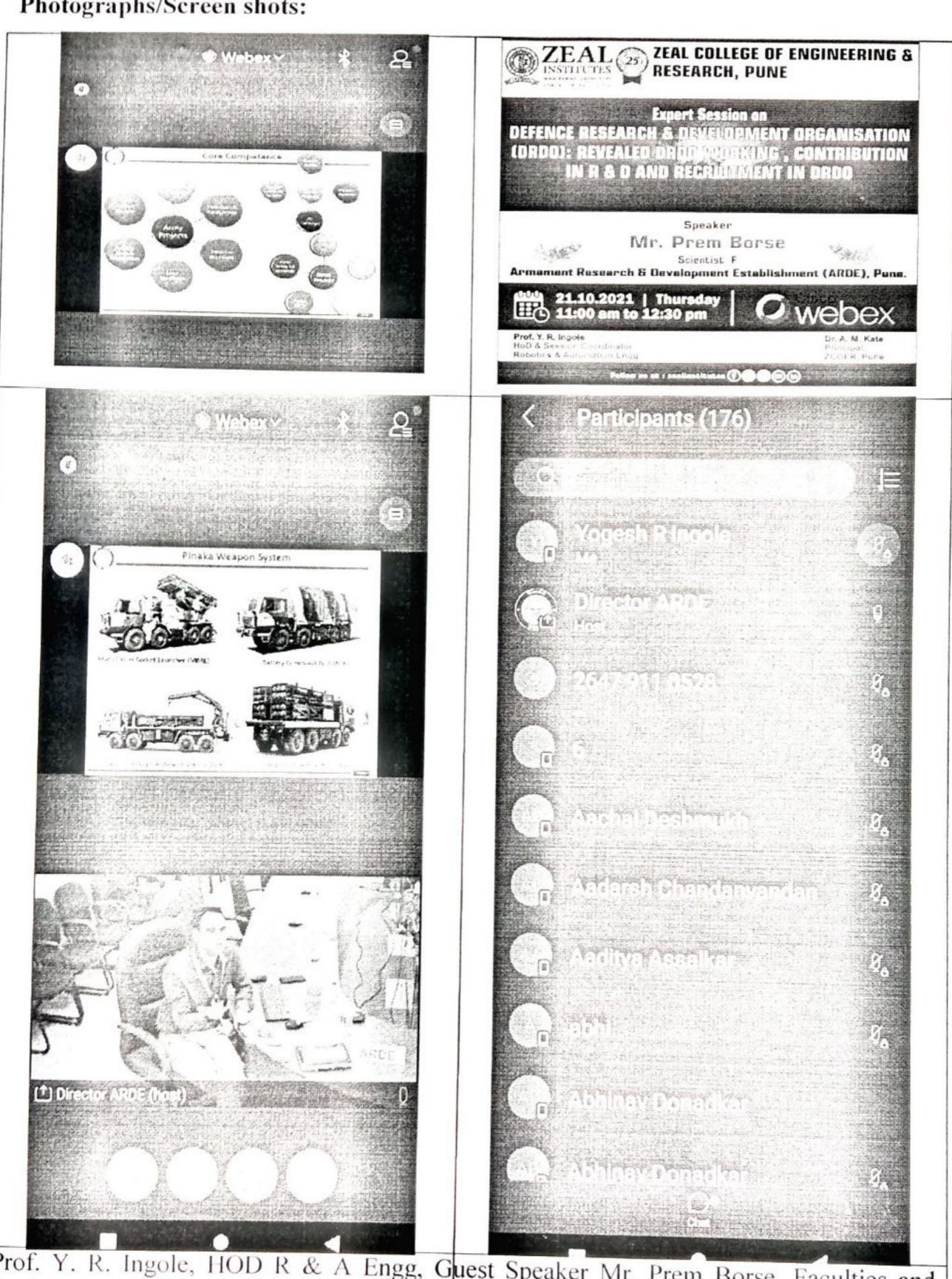
Yours Sincerely,

Prof. R. R. Bombale





### Photographs/Screen shots:



Prof. Y. R. Ingole, HOD R & A Engg, Guest Speaker Mr. Prem Borse, Faculties and Student Participants





### **Letter of Thanks**

Date: 22/10/2021

To,

Mr. Prem Borse,

Scientist F,

Armament Research Development Establishment (ARDE),

Pune, India

Subject: Letter of Thanks.

The Zeal Education Society's ZCOER would like to thank you for enlighten us on one of the career oriented topic. Your talk on "DRDO: Revealed-It's working, contribution in R & D and Recruitment in DRDO" was one of the inspirational talk that motivated our students. It was an honor for Zeal College of Engineering and Research to have you as our resourceful eminent speaker.

We believe that the knowledge you have shared will help immensely in the development of the students and eventually translate into better future for them.

We know that your time is precious and we are grateful you shared some of it with us. We look forward to get more time from your side to arrange such seminars in future.

Again, thank you so much. We hope to see you soon again.

Engineering

Prof. Y. R. Ingole
Head of Department
Head of Department

Dept. of Robitics & Automation Engg.
ZES's Zear College of
Engineering & Research
Nache, Pune-411041





### EXPERT LECTURE CONDUCTION CERTIFICATE

Date: 22.10.2021

### To whom it may concern

Mr. Prem Borse, Scientist F, Armament Research & Development Establishment (ARDE), Pune has conducted expert lecture for second year engineering students on the topic "Revealed DRDO Working Contribution in R & D and Recruitment" organized by Department of Mechanical Engineering dated 21st October 2021 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe, Pune -41, India.

Dept of Robotics & Automation Engineering Control Research

Head of Department

Head of Department

Dept. of Robitics & Automation Engg.

ZES's Zeal College of

Engineering & Research

Narhe, Pune-411041





### **Expert Lecture Attendance**

Date: 21/10/2021

Subject: General

Class: SE

Div: A

Expert Name: Mr. Prem Borse, Scientist F, Armament Research & Development Establishment (ARDE), Pune.

Expert lecture topic: "Revealed DRDO working contribution in R & D and Recruitment"

| S.<br>N | Students name               | P/A | S.N | Students name             | P/A |
|---------|-----------------------------|-----|-----|---------------------------|-----|
| 1       | BAGADE SAKSHI LAXMAN        | P   | 34  | PARDESHI SOURABH JAYDEEP  | P   |
| 2       | BAGAWE SRUSHTI CHANDRAKANT  | P   | 35  | PATIL BHAVIKA TARUNKUMAR  | P   |
| 3       | BAKARE AUM SHAILENDRA       | P   | 36  | PATIL YASH PRABHAKAR      | P   |
| 4       | BHOSLE SAMRUDDHI SHEKHAR    | P   | 37  | PAWAR VRUSHAB VISHNU      | Р   |
| 5       | CHAUDHARI LALIT VINOD       | P   | 38  | PORE AJIT PANDURANG       | P   |
| 6       | CHAUHAN YASH NARENDRASINGH  | P   | 39  | PRAJAPATI NILESH KAMLESH  | Р   |
| 7       | CHAVAN ANIKET BHUSHAN       | A   | 40  | PUDALE RUSHIKESH NAMDEV   | A   |
| 8       | CHAVAN PRATHAMESH JITENDRA  | P   | 41  | RANDIVE VYANKTESH MAHESH  | P   |
| 9       | CHOWDHARY PANKAJ VAIDYANATH | Р   | 42  | RANGATE YASH PANDURANG    | Р   |
| 10      | DESHMUKH AACHAL RAJESH      | P   | 43  | RANGREJ MUZAFFAR YUNUSALI | P   |
| 11      | DEVAKAR SHRIDATTA MADHUKAR  | P   | 44  | RASAL VAIBHAV SANJAY      | P   |
| 12      | DHAMNE MIHIR GANESH         | Р   | 45  | RAUT PRATIKSHA DINESH     | P   |
| 13      | DHUMAL ROHAN VINAYAK        | P   | 46  | ROKADE PRANALI RAJENDRA   | P   |
| 14      | GAIKWAD SURAJ DHANAJI       | Р   | 47  | SABLE TUSHAR DAYANAND     | P   |
| 15      | JADHAV RAHUL AJIT           | Р   | 48  | SALUNKHE VIKEE ASHOK      | P   |
| 16      | JAGTAP ABHISHEK SUDHAKAR    | Р   | 49  | SALUNKHE YASH AJAY        | P   |
| 17      | JAGTAP PRATHAM GOPINATH     | Р   | 50  | SANDUPATLA ANIKET DEEPAK  | A   |
| 18      | KADU OM SANDEEP             | P   | 51  | SHAH NIKUNJ CHANDRESH     | P   |





| 19 | KALE SHRINIVAS SANTOSH         | P | 52 | SHAIKH AFAAN KHALID                  | Α |
|----|--------------------------------|---|----|--------------------------------------|---|
| 20 | KOLHE ROHAN LAXMAN             | A | 53 | SHAIKH MOHAMMED ZAIN ABDUL<br>MASOOD | P |
| 21 | KSHIRSAGAR AVANTI MAHESH       | P | 54 | SHARMA PRERNA YOGESH                 | P |
| 22 | KUTE CHAITANYA VITTHAL         | Р | 55 | SHEIKH LAYBA MAHIN KANIJA<br>PARVIN  | Р |
| 23 | LAHAMAGE TEJAS KIRAN           | Р | 56 | SHINDE ANISHA MARUTI                 | P |
| 24 | MAHENDRE VINAY GANESH          | Р | 57 | SURYAWANSHI SURAJ MALHARI            | P |
| 25 | MAHTAB ALAM RISHAD             | A | 58 | THORAT SRUSHTI SADANAND              | Р |
| 26 | MALWADKAR ABHISHEK<br>YASHWANT | Р | 59 | THORAT VAISHNAVI DADASAHEB           | Р |
| 27 | MATE ADITI PANDURANG           | P | 60 | TUKARAL ASHISH SURYAKANT             | Р |
| 28 | MORE PRAJWAL SHAMRAO           | P | 61 | VASVE KAUSHAL SOMNATH                | P |
| 29 | NACHAN GOKUL NIVRUTTI          | P | 62 | WADHWA PAWAN ANIL                    | A |
| 30 | NAIK KHUSHI BHASKAR            | P | 63 | WAGHMARE LAMBODAR VIJAY              | Р |
| 31 | NAWAL SHIVAM DILIP             | P | 64 | WAMAN YASH SHANKAR                   | P |
| 32 | NIKURE PRAJWAL DEVIDAS         | Р | 65 | YADAV SAHIL POPAT                    | Р |
| 33 | PADAWAL KEDAR DNYANESHWAR      | P |    |                                      |   |

Engineering

Present Schodent = 58 Aspent Shudent = 08

Head of Department
Dept. of Robitics & Automation Engg.
ZES's Zeai College of
Engineering & Research
Narhe, Pune-411041





Record No.: ACAD/R/21B

Revision: 00

Date:01/04/2021

### Industry Expert/ Guest Faculty Session Feedback Analysis

Department: Robotics & Automation Engg.

Academic Year: 2021-2022

Semester: I

Date: 22.10.2021

Name of Expert/ Guest: Mr. Prem Borse , Scientist F, ARDE, Pune

| Sr.<br>No. | Attribute  | No. of responses | Marks    |       |
|------------|--|------------------|----------|-------|
|            |  |                  | Obtained | %     |
| 1          | How would you rate the content of the session?                               | 29               | 139.00   | 95.86 |
| 2          | How would you rate the knowledge of the guest for the session?               |                  | 135.00   | 93.10 |
| 3          | How would you rate the content delivery method of the guest for the session? |                  | 135.00   | 93.10 |
| 4          | How would you rate the management of the session?                            |                  | 123.00   | 84.83 |
| 5          | Do you think the content of the session added to your knowledge?             |                  | 142.00   | 97.93 |

Feedback Coordinator

Dept of Robins & Auto Lauon Engineering Pune-41

Prof. Yogesh R. Ingole H.O.D.

Head of Department

Dept. of Robitics & Automation Engg.
ZES's Ze - College of
Engineering & Research
No. 1988-411041





Record No.: ZCOER-ACAD/R/21

Revision: 00

Date:01/04/2021

### Permission for Industry Expert Session

Div: A

Department: Robotics & Automation Engineering Semester: I

Academic Year: 2021-2022

Date: 10/11/2021

To,

The Principal ZCOER, Pune

Class: SE

Subject: Permission for scheduling an Industry Expert Session

Respected Sir,

For enhancing the understanding of students about "Research Communications", it planned to schedule an Industry Expert Session for the Program S.E. Robotics & Automation Engineering. The best suitable expert is identified for this session and the details are as given below.

| Name of Expert:    | Dr. Rathin Biswas, eYantra Team (IIT Mumbai) |  |
|--------------------|--|--|
|                    |  |  |
| Organization:      | IIT, Mumbai India.                           |  |
| Experience:        | 08 Yrs.                                      |  |
| Date:              | 18/11/2021                                   |  |
| Time and Duration: | 02: 00 pm to 04:00 pm                        |  |

### Remuneration Details:

| Number of Hrs. of session | Remuneration/ Hr. | Total             |  |
|---------------------------|-------------------|-------------------|--|
| 1 Hr                      | -Nil-             | -Nil-             |  |
|                           |                   | (In Words: -Nil-) |  |

You are hereby requested to kindly permit the conduction of the above said session and sanction the remuneration of Rs. -Nil-

ege of Engineering

Dept of

Robotics &

Automation

Engineering

Resea

Prof. Y. R. Ingole Course Faculty

Remark by Principal:

Allowed

Atlate.

Prof. Y. R. Ingole Head of Department

Head of Department
Dept. of Robitics & Automation Engg.
ZES's Zeal College of

Engineering & Research Narhe, Pune-411041



Yogesh Ingole <yogesh.ingole@zealeducation.com>

## IIT Bombay, e-Yantra Lab Setup Initiative (eLSI): Confirmation to attend the technical session on Research Communication on 18th November 2021

1 message

e-Yantra, IIT Bombay <helpdesk@e-yantra.org>
Reply-To: support@e-yantra.org
To: yogesh.ingole@zealeducation.com

Wed, Nov 17, 2021 at 7:36 PM

### **2yantra**

Respected Sir/Madam,

Greetings from e-Yantra!

This is to confirm your registration for the technical session on Research Communication on 18th November 2021.

### The details of the meeting are as follows:

Online Platform: Webex

Date: 18th November 2021 (Thursday)

Time: 02:00 PM to 04:00 PM

### The meeting link is as below -

https://eyantra.webex.com/eyantra/j.php?MTID=m3a445c2a694595ba0c90a7c690d70c8d Meeting number: 2519 666 6705 Password: qnXtJykt873

Hosted by e-Yantra Team

### Agenda for the session:

- Why writing? Benefit!
- · What is publishable?
- Types of communication
- · General structure of a paper
- Reading & understanding a paper
- Writing and taking notes
- Publishing a paper
- Research Ethics

Note: Attendance certificates will be provided for the technical session only after qualifying the insession and post-session quizzes to the participants attending the whole session.

Please Find Attachment with the email (Kindly ignore these if you already have an e-Yantra lab in your institute)-

1. Proposal for establishing e-Yantra Lab at your institute

2. Our responses to Frequently Asked Questions (FAQ) regarding eLSI

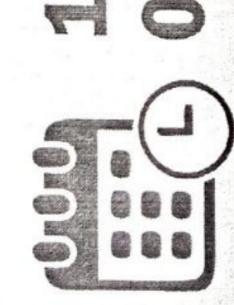
https://mail.google.com/mail/u/0/?ik=1ea0ebf455&view=pt&search=all&permthid=thread-f%3A1716684570573475492&simpl=msg-f%3A17166845705... 1/2

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Department of Robotics & Automation Engineering



Online Platform:

Register for the event Link:

Webex

http://elsi.e-yantra.org/meetWorkshop/form

& Automation Engg.

Dr. A. M. Kate









Record No.: ZCOER-ACAD/R/39

Revision: 00

Date:01/04/2021

### **Notice**

Department: Robotics & Automation Engg.

Sem: I

Academic Year: 2021-2022

Date: 16.11.2021

This is to inform that an Technical talk by Dr. Rathin Biswas, eYantra Team (IIT B), India is scheduled on topic "Research Communication" on Thursday 18<sup>th</sup> of the October, 2021 from 02:00 pm to 04:00 pm.

Mode: Online (Cisco Webex)

Attendance is compulsory to all.

Dept of Roborics & Automation Engineering Control Pune-41

Prof. Yogesh R. Ingole Head of the Department





### EXPERT SESSION ONE PAGE REPORT

Date: 18/11/2021

To,

The H.O.D.

Robotics & Automation Engineering Department,

ZCOER, Narhe.

Subject: Report of Technical Talk conducted by Expert on topic "Research Communication"

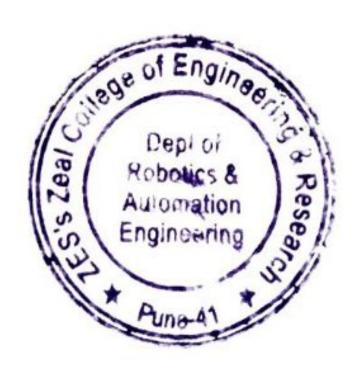
Respected Sir,

With reference to above mentioned subject, I would like to inform you that, Dr. Rathin Biswas, eYantra Team (IIT B), India has successfully conducted the Technical Session for the Second Year student on the topic "Research Communication". The session was very interesting and interactive, Dr. Rathin Biswas given insight on how to conduct research and how to present the work. The session was very useful from research and career point of view for the student which will really help them to know how to publish and where to publish..

Topics discussed during lecture:

| Sr. No | Contents Covered  | POs Mapping to<br>the Contents      |  |
|--------|---|-------------------------------------|--|
| 1      | The Session was planned to keep in view of any research organizational Contribution towards research and development for society.  The students were given insights on how to publish and where to publish.  1. Why writing? - Benefit! 2. What is publishable? 3. Types of communication 4. General structure of a paper 5. Reading & understanding a paper 6. Writing and taking notes 7. Publishing a paper 8. Research Ethics | PO4, PO8, PO10,<br>PO12, PSO1, PSO4 |  |

Thanking You,



Yours Sincerely,

Prof. N. B. Surwase





### Photographs/Screen shots:





#703\_sanjay gk

1445\_Akshata

1703\_Nagarjuna\_GS

236\_Thorat.\_Kshitija

◆ Connect audio

deo v

hare

8

9 Participants

O Ohis

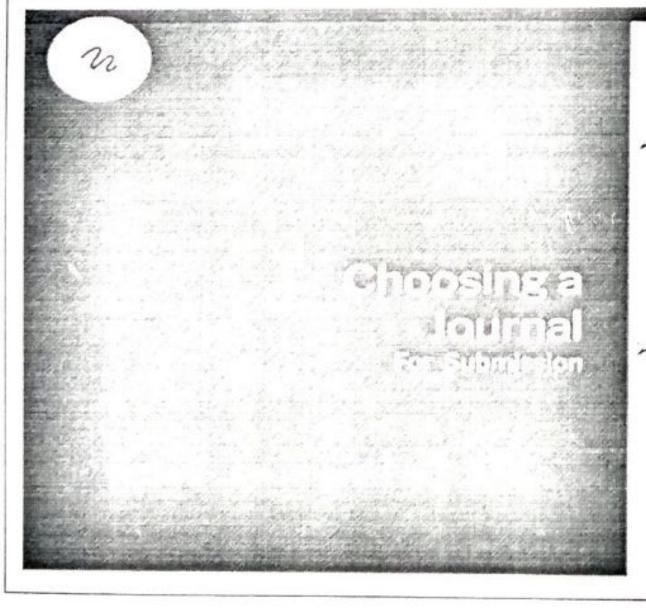
Beware of highest impact sections-

- □ Title
- 1 Abstract
- □ Conclusion
- Never put any baseless or un-cited claim/facts/statement/method

### Research Ethics:

- Permission.
- Authorship
- Acknowledgement
- Funding Statement

Submitting same paper simultaneously or parallelly in different journal/conferences is strictly against of research ethics and hence strictly prohibited. One may get banned from academia if not followed



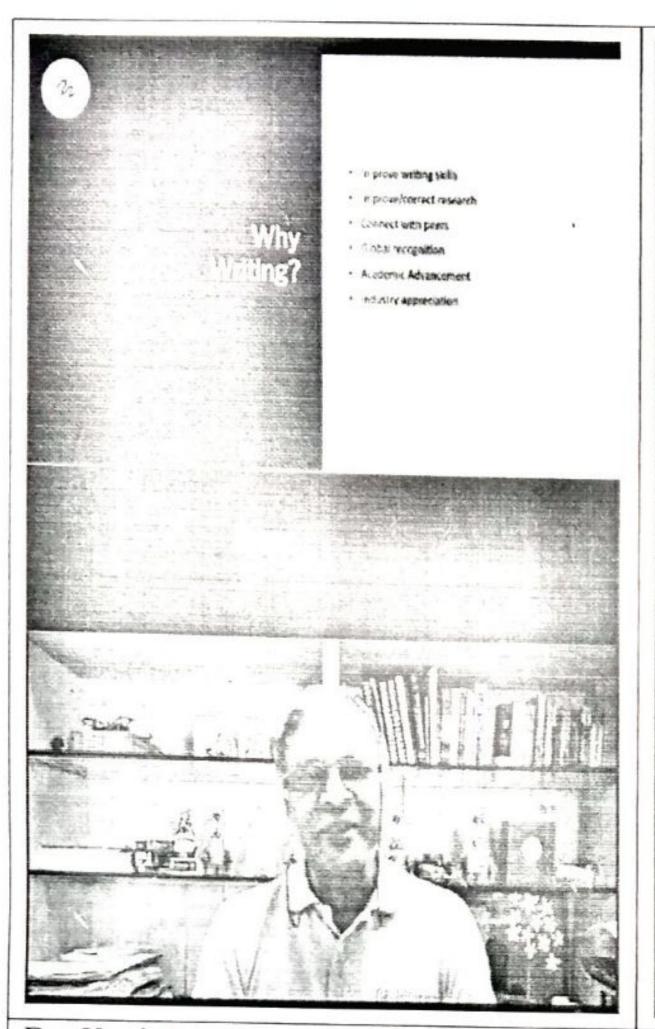
- Choose on the basis of
  - Scope / similarity (Keywords)
  - "Journal finder" services by various publisher
  - Highest cited journal in your manuscript
  - Extension work of any previous journal paper

### Beware of predatory journal

- Search authenticity for journal using https://mil.clarivate.com/home
- · Search authenticity using
  - Core Ranking
  - Famous Publishing House Website









Dr. Kavi Arya, Speaker Dr. Ratin Biswas, eYantra Team (IIT B), Faculties and Student Participants from Department of R & A Engg, Zeal College of Engg. & Research, Pune dated 18.11.2021., 2 PM -4 PM.





### **Expert Lecture Attendance**

Class: SE

Date: 18/11/2021

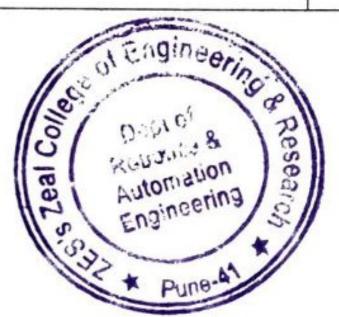
Div: A

Subject: General

Expert Name: Dr. Rathin Biswas

Expert lecture topic: Research Communications

| S.<br>N | Students name               | P/A | S.N | Students name             | P/A |
|---------|-----------------------------|-----|-----|---------------------------|-----|
| 1       | BAGADE SAKSHI LAXMAN        | Р   | 35  | PATIL BHAVIKA TARUNKUMAR  | Α   |
| 2       | BAGAWE SRUSHTI CHANDRAKANT  | Р   | 36  | PATIL YASH PRABHAKAR      | Р   |
| 3       | BAKARE AUM SHAILENDRA       | А   | 37  | PAWAR VRUSHAB VISHNU      | Р   |
| 4       | BHOSLE SAMRUDDHI SHEKHAR    | Р   | 38  | PORE AJIT PANDURANG       | Р   |
| 5       | CHAUDHARI LALIT VINOD       | Р   | 39  | PRAJAPATI NILESH KAMLESH  |     |
| 6       | CHAUHAN YASH NARENDRASINGH  | Р   | 40  | PUDALE RUSHIKESH NAMDEV   |     |
| 7       | CHAVAN ANIKET BHUSHAN       | А   | 41  | RANDIVE VYANKTESH MAHESH  |     |
| 8       | CHAVAN PRATHAMESH JITENDRA  | Р   | 42  | RANGATE YASH PANDURANG    |     |
| 9       | CHOWDHARY PANKAJ VAIDYANATH | Р   | 43  | RANGREJ MUZAFFAR YUNUSALI |     |
| 10      | DESHMUKH AACHAL RAJESH      | Р   | 44  | RASAL VAIBHAV SANJAY      | Р   |
| 11      | DEVAKAR SHRIDATTA MADHUKAR  | Р   | 45  | RAUT PRATIKSHA DINESH     |     |
| 12      | DHAMNE MIHIR GANESH         | Р   | 46  | ROKADE PRANALI RAJENDRA   |     |
| 13      | DHUMAL ROHAN VINAYAK        | Р   | 47  | SABLE TUSHAR DAYANAND     | Р   |
| 14      | GAIKWAD SURAJ DHANAJI       | Р   | 48  | SALUNKHE VIKEE ASHOK      | Р   |
| 15      | JADHAV RAHUL AJIT           | А   | 49  | SALUNKHE YASH AJAY        | Р   |







| 16 | JAGTAP ABHISHEK SUDHAKAR    | TAP ABHISHEK SUDHAKAR P 50 SANDUPATLA ANIKET DEEPAK  |     | Р                                    |   |
|----|-----------------------------|--|-----|--------------------------------------|---|
| 17 | JAGTAP PRATHAM GOPINATH     | P  | 51  | SHAH NIKUNJ CHANDRESH                | Р |
| 18 | KADU OM SANDEEP             | Р  | 52  | SHAIKH AFAAN KHALID                  |   |
| 19 | KALE SHRINIVAS SANTOSH      | Р  | F 2 | SHAIKH MOHAMMED ZAIN<br>ABDUL MASOOD | Р |
| 20 | KOLHE ROHAN LAXMAN          | А  | 54  | SHARMA PRERNA YOGESH                 |   |
| 21 | KSHIRSAGAR AVANTI MAHESH    | А  | 55  | SHEIKH LAYBA MAHIN KANIJA<br>PARVIN  | Α |
| 22 | KUTE CHAITANYA VITTHAL      | Р  | 56  | SHINDE ANISHA MARUTI                 | Р |
| 23 | LAHAMAGE TEJAS KIRAN        | А  | 57  | SURYAWANSHI SURAJ MALHARI            | Р |
| 24 | MAHENDRE VINAY GANESH       | Р  | 58  | THORAT SRUSHTI SADANAND              | Α |
| 25 | MAHTAB ALAM RISHAD          | Α  | 59  | THORAT VAISHNAVI<br>DADASAHEB        | А |
| 26 | MALWADKAR ABHISHEK YASHWANT | Р  | 60  | TUKARAL ASHISH SURYAKANT             | Р |
| 27 | MATE ADITI PANDURANG        | P  | 61  | VASVE KAUSHAL SOMNATH                | Р |
| 28 | MORE PRAJWAL SHAMRAO        | А  | 62  | WADHWA PAWAN ANIL                    | А |
| 25 | 9 NACHAN GOKUL NIVRUTTI     | NACHAN GOKUL NIVRUTTI A 63 WAGHMARE LAMBODAR VIJAY   |     | WAGHMARE LAMBODAR VIJAY              | Р |
| 3  | 0 NAIK KHUSHI BHASKAR       | Р  | 64  | WAMAN YASH SHANKAR                   | Р |
| 3  | 1 NAWAL SHIVAM DILIP        | NAWAL SHIVAM DILIP  P 65 YADAV SAHIL POPAT  NIKURE PRAJWAL DEVIDAS  A 66 INDORE RAHUL BHASKAR  PADAWAL KEDAR DNYANESHWAR  A 67 DHOTRE DEVESH MALIK |     | YADAV SAHIL POPAT                    | Р |
| 3  | NIKURE PRAJWAL DEVIDAS      |  |     | INDORE RAHUL BHASKAR                 | A |
| 3  | PADAWAL KEDAR DNYANESHWAR   |  |     | DHOTRE DEVESH MALIK                  | А |
|    | 34 PARDESHI SOURABH JAYDEEP | A  | 68  | KHEDEKAR CHETAN SANTOSH              | A |

Present student: -46 Absent student: 22



Head of Department
Dept. of Robitics & Automation Engg.
ZES's Zeal College of
Engineering & Research
Narhe, Pune-411041





Record No.: ACAD/R/21B

Revision: 00

Date:01/04/2021

### **Industry Expert Session Feedback Analysis**

Department: Robotics & Automation Engineering

Academic Year: 2021-2022

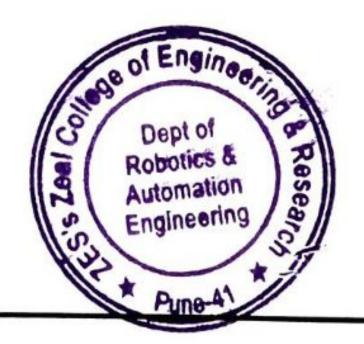
Semester: I

Date: 18.11.2021

Name of Expert/ Guest: Dr. Rathin Biswas

| Sr.<br>No. | Attribute  | N. C.            | Marks    |       |
|------------|--|------------------|----------|-------|
|            | Attribute  | No. of responses | Obtained | %     |
| 1          | How would you rate the content of the session?                               | 22               | 102      | 92.73 |
| 2          | How would you rate the knowledge of the guest for the session?               |                  | 95       | 86.36 |
| 3          | How would you rate the content delivery method of the guest for the session? |                  | 92       | 83.64 |
| 4          | How would you rate the management of the session?                            |                  | 93       | 84.55 |
| 5          | Do you think the content of the session added to your knowledge?             |                  | 105      | 95.45 |
|            |  |                  | Average% | 88.55 |

Feedback Coordinator



Prof. Y. R. Ingole

H.O.D.

# Feedback Form\_Expert Session on "Research Communication"\_Zeal College of Engineering\_18.11.2021.

22 responses

Publish analytics

### Student Name

22 responses

Rohan vinayak Dhumal

Kale shrinivas Santosh

Waghmare Lambodar Vijay

More Prajwal Shamrao

Rasal Vaibhav Sanjay

Waman yash shankar

Chaitanya kute

Prerna sharma

Shivam Nawal

Patil Bhavika Tarunkumar

Abhishek Malwadkar

Bagawe Srushti Chandrakant

Bagade Sakshi Laxman

Pratham Gopinath Jagtap

Pawan Wadhwa

Sahil Yadav

Shinde Anisha Maruti

Avanti Kshirsagar

Muzaffar Rangrej

Nilesh Prajapati

Nikunj Chandresh Shah

THORAT VAISHNAVI DADASAHEB

https://docs.google.com/forms/d/1tOf6EN4B5AVW0btgWGR3Z-pJb2D0wnG4SR8hBPpYKY8/viewanalytics