

Directorate of Outcome

Outcome Report (Workshop Organized @ AUH)

1. General Information

Date: 17th January 2022-18th January 2022

Event Type: Workshop

Event Title: International Workshop on "Instrumentation Techniques"

Event Theme: International Collaborative Workshop

Venue: Online Workshop at MS Teams

Web/Video Link of the Event: https://amityuni.live/86126582794

Organized by: Amity University, Haryana

In collaboration with: University of Bengkulu, Indonesia **Event Level:** Institutional/State/National/International

Event Coordinator(s) with designation: Dr. Monika Vats (AP, CBFS, ASAS, AUH)

Dr. Sal Prima Yudha (University of Bengkulu, Indonesia)

Details of Expert/Speaker/Resource Person/Judge:

| S N | Count ry Name | Exp ert Na me | Organiz ation Name | Designati on | Specializ ation | Cont act No. | E- mail Id | CV of Exper t (Yes/ No) | Major Areas where Amity can Collabora te with expert | Reco mmen ded by |
|--------|---------------------|------------------------|--------------------------|-----------------|--------------------|--------------------|------------------|-------------------------------------|--|---------------------------|
| | | | | PI, | | | | Yes | | |
| | | | | Universita | | | | | | |
| | | | | S | | | | | | |
| | | D. | | Bengkulu, | | | | | | |
| | | Dr. Sal | | Departme | | | a a l m | | | |
| | | Prim | Universi | nt of | UV- | +62- | salp rima | | | |
| | | a | ty of | Chemistry | Visible | 736- | @un | | | Dr. |
| | Indon | Yud | Bengkul | , Bengkulu, | Spectrosc | 2091 | ib.ac | | Instrumen | Monik |
| 1 | esia | ha | u | Indonesia | opy | 9 | id.id | | tation | a Vats |
| | CSIG | Dr. | - C | maonesia | opy . | | .iu | Yes | tution | u vats |
| | | Moh | | | Structure | +91- | mab | | | |
| | | amm | Jamia | | -based | 8750 | id@j | | Structure- | Dr. |
| | | ad | Milia | Assistant | drug | 2950 | mi.a | | based drug | Monik |
| 2 | India | Abid | Islamia | Professor | design | 95 | c.in | | design | a Vats |

Criteria of Inviting Resource Person/Judge/Speaker/Judge (Write a paragraph):

MOU done with Universitas Bengkulu, Department of Chemistry; Bengkulu, Indonesia

Were the guest known in advance and if yes, from what previous interaction (Write a paragraph)?

The guest lecture and instrumentation technique workshop were organised in December 2019 and December 2020 with Dr. Sal Prima Yudha.

2. Outcome of the Event with Time Lines (Proposed/Achieved)

| Envisaged Outcome | Tangibl e/ Intangi | Achieved / Proposed | Target date & responsibilities (if proposed) | Details of outcome |
|---|--------------------------|---------------------|---|--|
| | ble | | | |
| 1. Outcome related to Acad | demia Con | | T | |
| a) Collaborations for Research Papers/Conference Papers/ Book Chapter etc. | | Achieved | | One book chapter published One Review article |
| Book Chapter etc. | | | | submitted |
| b) Collaborations & MOU for Research Guidance [PhD, PG & UG (summer training, Dissertation)] & Projects/Use of Instruments etc. | | Achieved | | MOU Between University of Bengkulu, Indonesia and AUH |
| c) Collaboration for Funded Projects | | | Proposed | Targeting for a research project by May 2022 |
| 2. Outcome related to Indu | stry Conn | ect | | |
| a) Placement | NA | NA | NA | NA |
| b) Collaborations for Research Papers | NA | NA | NA | NA |
| c) Collaborations & MOU for Research Guidance [PhD, PG & UG (summer training, Dissertation)] & Projects/Use of Instruments | NA | NA | NA | NA |
| d) Collaboration for | NA | NA | NA | NA |
| u) Conaboration 101 | 1771 | 1771 | 177.71 | IVA |

| Funded Projects | | | | | | |
|--|------------|-------------|-------------|----------|--|--|
| 3. Outcome related to Society Outreach | | | | | | |
| a) Benefit to society in terms of Health & Hygiene | NA | NA | NA | NA | | |
| b) Benefit to society in terms of Education | NA | NA | NA | NA | | |
| 4. Outcome related to Stud | ents Learr | ning &Groom | <u>ming</u> | | | |
| The students learnt about UV spectroscopy and flash chromatography | | | proposed | Workshop | | |
| 5. Any other | | | | | | |

3. Event Report along with glimpses of the event







Two day workshop **INSTRUMENTATION TECHNIQUES** organized by Department of Chemistry, Biochemistry and Forensic Science, Amity School of Applied Sciences (CBFS, ASAS). Amity University, Haryana, India in collaboration with Faculty of Mathematics and Natural Sciences, University of Bengkulu, Indonesia.

It is an extension activity of an MOU signed between the two organizing universities.

Universitas Bengkulu, Indonesia

University Bengkulu, Bengkulu is a public university in Bengkulu, Indonesia. It was established on 24 April 1982. University offers UG and PG courses in 7 different streams. Officially recognized by the Kementerian Riset dan Teknologi/Badan Riset dan Inovasi Nasional, Republik Indonesia.

Amity University Haryana

Amity University Haryana, Gurugram is situated in the picturesque, 110 acre Amity Education Valley, in the close proximity of Gurugram. AUH is built on a foundation which embodies all the qualities that have made Amity institutions world-class over the last two decades. The university has students from more than 15 countries.

CBFS, ASAS, AUH

The Department of Chemistry, Biochemistry & Forensic Science (CBFS) has successfully charted a glorious journey of over 7 years under the aegis of ASAS, AUH. Amity School of Applied Sciences (ASAS) was inaugurated on the occasion of National Science Day on 28 Feb 2013 with a mission of imparting quality teaching and promoting science through research and extension. ASAS strives continually to lay a strong foundation in Applied Sciences and to equip the students of other disciplines to carry out practical applications of their knowledge. Further, the vision is set for carrying out research in emerging areas of societal importance, along with offering degree programs at undergraduate, masters and doctoral level in the relevant subjects of Applied Sciences, including Chemistry, Biochemistry and Forensic Science, Physics, and Mathematics.

ORGANISING COMMITTEE 17-18 JANUARY 2022

Chief Patrons

Dr. Ashok K. Chauhan, Founder President Dr. Aseem Chauhan, Chancellor, AUH

Conveners

Prof. A. K. Yadav, HOI, ASAS, AUH Prof. S. R. Pathak, HOD, CBFS, ASAS, AUH

Committee Members

Dr. A. Sharma, Dr. D. Vaya, Dr. Bhuvnesh Yadav, Student Coordinators Dr. Sudip Majumder & Dr. G. S. Bumbrah

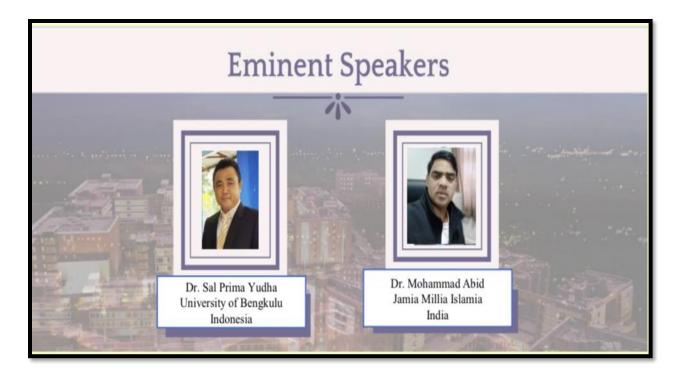
Patrons

Prof. (Dr.) P.B. Sharma, Vice Chancellor, AUH Prof. (Dr.) Padmakali Banerjee, Pro Vice Chancellor, AUH

Coordinators

Dr. Monika Vats (India) Dr. Sal Prima Yudha (Indonesia)

Bharti Sheokand (Research Scholar) Taruna Lodhi (Research Scholar)



Tutorial session and Demonstration of UV-Vis Spectroscopy by Dr. Prima Yudha (University of Bengkulu, Indonesia)

Tutorial session and Demonstration of UV-Vis Spectroscopy by Dr. Mohammmed Abid (Jamia Milia Islamia, New Delhi)

Program Schedule

17-18 January 2022

| | Monday | 17-01-2022 |
|---------------------------------------|--|--|
| Time Indian Standard Time (IST) | Topic | Speaker |
| 10:00 – 10:05 HRS | Welcome Address | Prof A.K. Yadav (Director, ASAS, AUH, Gurugram) |
| 10:05 – 10:10 HRS | Words of Wisdom | Prof. (Dr.) Padmakali Banerjee (Pro Vice Chancellor, AUH) |
| 10:10 – 10:15 HRS | Words of Wisdom | Assoc. Prof. Jarulis (Dean of Faculty of Mathematics and Natural Sciences, University of Bengkulu Indonesia) |
| 10:15 – 10:55 HRS | Tutorial session on UV-Vis Spectroscopy | Dr. Sal Prima Yudha (University of Bengkulu Indonesia) |
| 10:55 – 11:30 HRS | Demonstration of UV-Vis Spectroscopy | Dr. Sal Prima Yudha (University of Bengkulu Indonesia) |
| 15:05 – 15:55 HRS | Tutorial session on Principle and applications of Flash Chromatography | Dr. Mohammad Abid (Jamia Millia Islamia, New Delhi) |
| 15.55 – 16:30 HRS | Live demonstration of Flash Chromatography | Dr. Mohammad Abid (Jamia Millia Islamia, New Delhi) |
| 16:30 – 16:35 HRS | Vote of Thanks | Prof. S R Pathak (HOD, Dept. CBFS, ASAS, AUH) |
| | Tuesday | 18-01-2022 |
| 10:00 – 10:15 HRS | Highlights and Review of Workshop | Dr. Monika Vats (AP, CBFS, ASAS, AUH) |
| 10:15 – 11:45 HRS | Workshop Based Quiz & Evaluation | Committee Members |
| 11:45 – 12:00 HRS | Certificate Distribution & Feedback Session | Committee Members |
| *Attendance in all sess | ions and submission of feedbac | k form is mandatory for e-certificate |

DAY 1

17th JANUARY 2022

The session began with the welcome address by Prof A.K. Yadav (HOI, ASAS,AUH). Dr. Jarulis, Dean of Faculty of Mathematics and Natural Science, University of Bengkulu, Indonesia addressed the participants. A brief introduction of speakers: Dr. Sal Prima Yudha (Faculty, University of Bengkulu, Indonesia) and Dr. Mohammad Abid (Jamia Milia Islamia, New Delhi) was given. The session was coordinated by the Moderator Dr. Anurag Sharma and well supported by Prof. Seema R. Pathak (HOD, CBFS, ASAS, AUH) and faculty members of CBFS, ASAS, AUH.

• TOTAL NUMBER OF ACTIVE PARTICIPANTS- 80

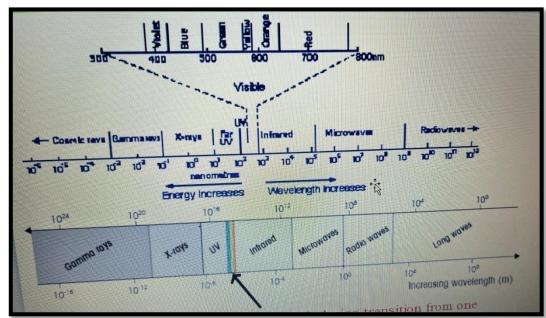
<u>Topic</u>: Principal, Working and Application of UV- Visible Spectroscopy and Live Demonstration of UV-Visible Spectrophotometer

Speaker: Dr. Sal Prima Yudha (Faculty, University of Bengkulu, Indonesia)



The day's workshop was split into two parts: a lesson and a live demonstration. The tutorial begins with a fundamental overview of UV-Vis spectroscopy, its application in various fields, and the underlying operating principle. UV-Vis Spectroscopy is non-invasive, cost-effective,

sensitive, and adaptable. The energy of a wave of a particular radiation is calculated by using the relation $E=hc/\lambda$



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In

ounds the following electronic transitions can occur by the absorption of ultraviolet and visible light:

 σ to σ^*

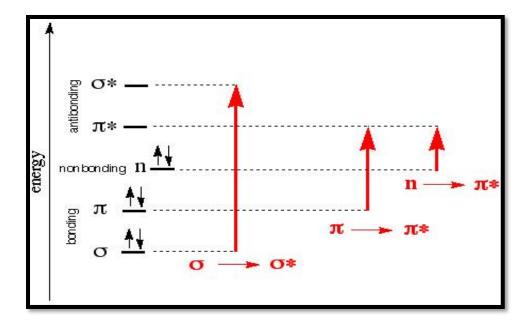
n to σ^*

n to π^*

TRANSITION TYPE IN ORGANIC COMPOUNDS

The transitions involved in this kind of transitions are:

- π π * (pi to pi star transition).
- $n \pi^*$ (n to pi star transition).
- σ σ * (sigma to sigma star transition).
- $n \sigma * (n \text{ to sigma star transition})$

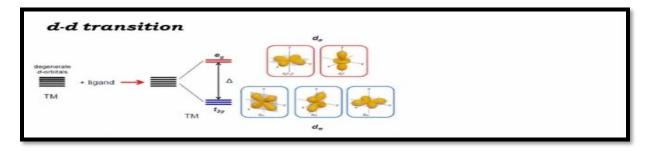


Alkenes, alkynes, carbonyl, nitriles, aromatic compounds, and other compounds with multiple bonds go through the -* transition. e.g.: Alkenes absorb light in the range of 170-205 nm. An electron is promoted from a non-bonding orbital to an anti-bonding orbital. Such transitions occur in compounds with a double bond incorporating hetero atoms (C=O, N=O). The n - * transitions are low-energy transitions that display absorption at longer wavelengths about 300 nm.

The following were the subjects that were discussed in greater depth throughout the session:

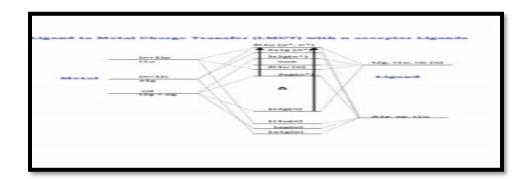
■ The d-d transition for acceptor – Ligand complex.

The d-d transition for pie acceptor ligand complex is larger than the pie-donor ligand. These transitions generally appear as of weak intensity in the spectrum as they are Laporte forbidden. Due to vibronic coupling and relatively low energy of transition, they can emit visible light upon relaxation and that is the reason for which many transition complexes are brightly colored. The molar extinction coefficients of these transitions around 100.



Ligand to Metal transfer With Acceptor Ligands.

The LMCT transitions arise because of the low lying energy of the ligand orbitals . Therefore this is a transition from orbital that are ligand in character to orbitals that are more metal in character. The electron travels from a bonding or non bonding orbital into anti-bonding orbital. These transitions are very strong and appear very intensely in the absorbance spectrum. The molar extinction coefficients for these transitions are around 10^4 . The examples for pi donor ligands are F^- , H_2O , OH^- , RS^- , NCS^- etc.

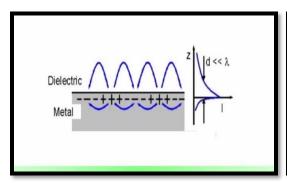


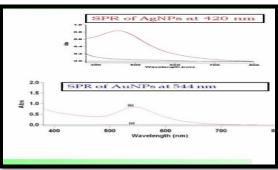
Metal Ligand Charge transfer (MLCT) with pi donor Ligands:

These transitions arise from pi acceptor ligands and metals that are willing to donate electrons into the orbitals of ligand character. Both types of charge transfer bands are more intense than d-d bands since they are not Laporte rule forbidden. E.g. of pi accepting ligands are CO, NO, RNC, C=C etc.

Surface Plasmon Resonance (SPR) :

Surface Plasmon Resonance (SPR) is a resonance between light wave and the electrons on a metal surface which generates oscillations the electrons in the metal surface is quantized i.e. wavelength of light is in resonance with Surface Plasmon Oscillation. The requirements for SPR are materials with free electrons (metals such as Cu, Ag, Au) with their plasma frequency in both UV and Visible region and the interface.



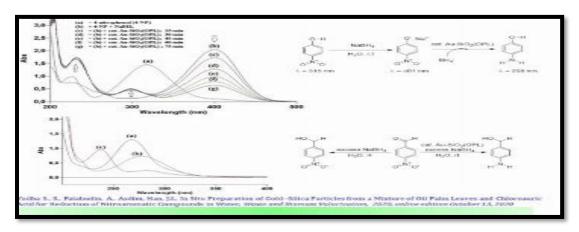


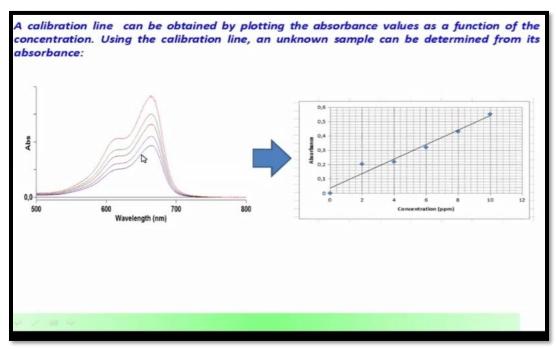
Main principles behind UV-Visible Spectroscopy:

Optical spectroscopy is based on the interaction of light with matter. UV/VIS spectroscopy is a technique based on the absorption of light by an unknown sample. The main principles involved in this technique are as follows:

- 1. The sample is illuminated with electromagnetic rays of various wavelength.
- 2. The light is partially absorbed, depending on the substance. The remaining transmitted light is detected and recorded as a function of wavelength by detector , giving the UV/VIS spectrum.

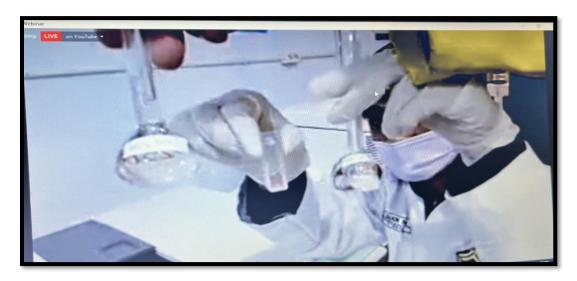
• Sample applications- Qualitative analysis- Organic Compounds

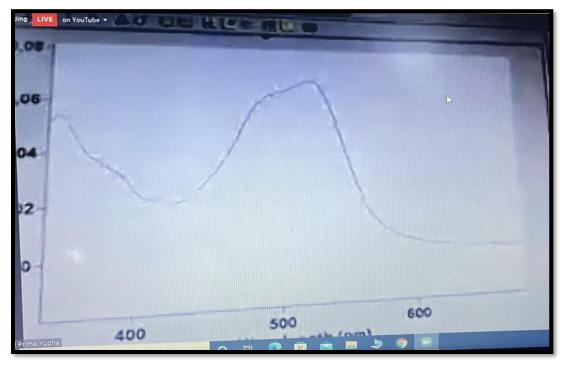




Every substance absorbs light in a different way. A unique and specific relationship exists between the substance and its UV/VIS spectrum. Therefore the spectrum can then be used to identify or quantify a substance

After the tutorial session, a demonstration of UV Vis spectroscopy was given using a Cary-60 UV-Vis Spectrophotometer, with the various parts, functions, and spectrum generation explained while a sample was run.





2nd SESSION

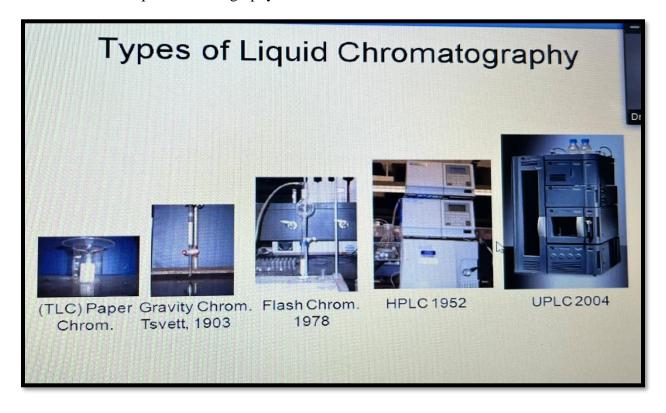
At 3:00 p.m. (IST), the session began Dr. Mohammad Abid was the session's speaker (Jamia Milia Islamia, New Delhi). Dr. Anurag Sharma moderated the session, which was well-coordinated by Prof. Seema R. Pathak (HOD, CBFS, ASAS, AUH) and all of the ASAS department's academic members and Dr. Sal Prima Yudha, a panellist, weres present.

TOPIC: FLASH CHROMATOGRAPHY- PRINCIPLE AND APPLICATIONS

SPEAKER: Dr. Mohammad Abid (Jamia Milia Islamia, New Delhi)



The day's workshop was split into two parts: a lesson and a live demonstration on Flash Chromatography and its principle and applications. The session started with the general introduction on Liquid chromatography.



VARIOUS FORMS OF CHROMATOGRAPHY

- Column chromatography
 Prep Column Chromatography
 Ion Exchange Chromatography
 Gel chromatography
- Pressure liquid chromatography
 Low pressure liquid chromatography
 Medium pressure liquid chromatography
 High pressure liquid chromatography
- Normal phase and reversed phase chromatography

Introduction of sample

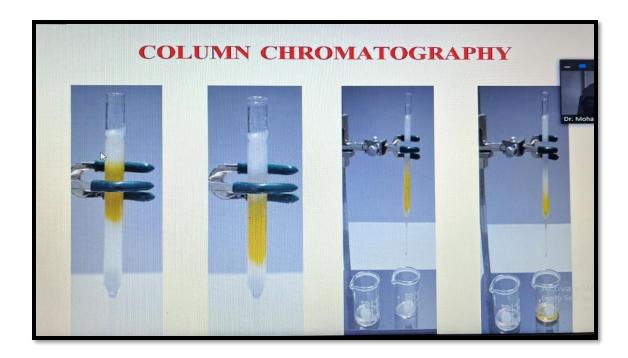
- The sample which is usually a mixture of components is dissolved in minimum quantity of the mobile phase.
- The entire sample is introduced into the column at once and get adsorb on the top portion of the column
- From this zone, individual sample can be separated by a process of elution.

1. WET PACKING TECHNIQUE

➤ Ideal and common techniques

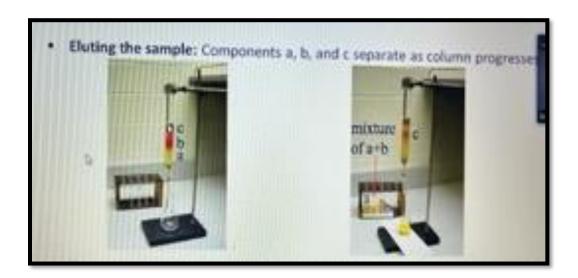
The material is slurred with the solvent and generally added to the column in portions. Solid settles down while the solvent remain upward. This solvent is removed then sea sand id placed.

- The stationary phase settles uniformly in the column and there is no entrapment of the air bubbles.
- There will not be any crack in the column of adsorbent.
- The bands eluted from the the column will be uniform and ideal for separation.



2. GRADIENT ELUTION TECHNIQUES

- > Solvents of gradually *polarity or * elution strength are used during the process of separation.
- > Initially low polar solvent is used followed by gradually increasing the polarity.
- For example: initially benzene. Then chloroform then ethyl acetate then chloroform.



• Fractions can be collected in test tubes, vials, beakers or Erlenmeyer flasks.

- Recovery is done by collecting different fractions of mobile phase of equal volume like 10 ml, 20ml etc or unequal volume.
- The can also be collected time wise i.e. a fraction for every 10 min or 20 min etc. The recovered fractions are detected by using different techniques.

INTRODUCTION

- The term Flash Chromatography was coined in 1978 by W. Clark Still and co workers of Columbia University to describe separations in which a gas- pressurized solvent reset is used to accelerate solvent and achieve superior chemical separations in less than traditional gravity- based column chromatography.
- Flash chromatography is currently one of the most popular techniques for purifying pharmaceuticals intermediated as well as final organic products. It is also widely used natural products research.
- Flash chromatography differs from the conventional Techniques in two ways:
 - 1) Slightly smaller silica gel particles (259-400 mesh) are used.
 - 2) Due to restrict flow of solvent caused by the smaller gel particles, pressurized gas (ca. 10-15 psi) is used to drive the solvent through the column of stationary phase. The net result is rapid and high resolution chromatography.

PRINCIPLE OF FLASH CHROMATOGRAPHY

- The basic principle is that the elution is, under gas pressure rapidly pushed through short glass column with large inner diameter. The glass column is packed with an adsorbent of defined size.
- Silica gel 40-63 um is the most stationary phase but we can use other paticle size also.

Selection of stationary phase

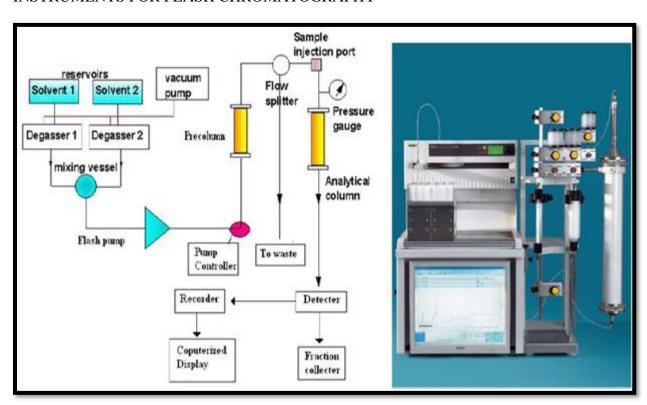
- SILICA: slightly acidic medium. Best for ordinary compound, good separation is achieved.
- FLORISIL: mild, neutral medium, 200 mesh can be effective for easy separations. Less than 200 mesh best for purification by filtration.
- ALUMINA: Basic or neutral medium. Can be effective for easy seperations and purification of amines.
- REVERSE PHASE SILICA: the most polar compounds elute fastest, the most non polar slowest.

SOLVENT SYSTEM FOR FLASH CHROMATOGRAPGY

Flash column chromatography is usually carried out with a mixture of two solvents (polar and non-polar).

- ➤ One- compound solvent system
 - 1) Hydrocarbons: pentane, hexane
 - 2) Ethyl acetate
 - 3) Dichoromethane
- > Two- compound solvent syetm
- 1) Methanol/Dichloromethane
- 2) Ethyl Acetate/ Hexane

INSTRUMENTS FOR FLASH CHROMATOGRAPHY



APPLICATIONS OF FLASH CHROMATOGRAPHY

Natural products/ Nutraceuticals applications

- A. Separation and isolation of α -Santalol and β Santalol from sandalwood extraction.
- B. Isolation and purification of chromophoric and nonchromophoric compounds in giant knotweed rhizome.
- C. Isolation and purification of flavonoids from ginkgo biloba leaves extract.
- D. Isolation and purification od catechins from green tea extracts.
- E. In purification of GallaChinensis.
- F. Purification of Ferulic Acid in RhizomaChuanxiong Extract.

CONCLUSION

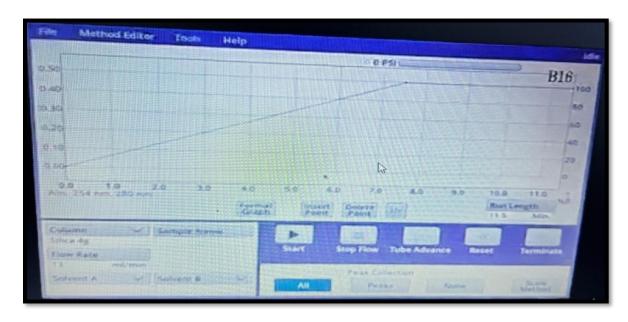
Purification of drug is an important step in any branch of research. Preparative chromatography is used to separate the components of a mixture for more advanced used and is thus a form of purification. Flash chromatography can be alternative to preparative HPLC as it saves time and solvent. Extrapolation of TLC results on preparative scale can be achieved by Flash chromatography. Modern Flash chromatography with disposable cartridges and advanced detection techniques is applicable to a wide range of compounds.

After this tutorial session Dr. Mohammad Abid (Jamia Milia Islamia, New Delhi) gave the demonstration with the help of his Co-worker on Flash chromatography.



Some highlights of his demonstration are:





The session ended with a slew of questions from both the audience and the panelists, demonstrating the high level of curiosity generated by the fantastic presentation. Overall, the workshop provided participants with significant experience in doing experimental research. Prof. Seema R. Pathak and Prof. A.K. Yadav gave a vote of gratitude at the end of the event.





(18TH JANUARY 2022)

The session began at 10:00 AM (IST) by giving the highlights and reviews of the workshop by Dr. Monika Vats (AP, CBFS, ASAS, AUH). After this workshop based quiz and evaluation was done from 10:15- 11:45 AM (IST). Feedback form was filled by all the attendees.

Session ended with the thank you note from Prof. Seema R. Pathak and Prof. A.K. Yadav.

ATTENDANCE SHEET

17TH **JANUARY 2022**

| Meeting ID | 86126582794 |
|-----------------------|---|
| Topic | TWO-DAYS WORKSHOP ON "INSTRUMENTATION TECHNIQUES" |
| Speaker | Dr. Sal Prima Yudha, University of Bengkulu Indonesia; Dr. Mohammad Abid, Jamia Millia Islamia, New Delhi |
| Event Start Time | 01/17/2022 09:29:36 AM |
| Event End Time | 01/17/2022 04:31:42 PM |
| Event Duration | 423 mnt |
| | |
| Dept/Inst | AUGGN ASAP |
| HOI/Moderator | Prof. A.K. Yadav, PhD (IIT Delhi), Director, Amity School of Applied Sciences, Amity University Gurgaon |
| Email | akyadav2@ggn.amity.edu |
| contact Number | 0 |

| Event Name | # Register ed | # Attende d | Event Date & Time |
|---|---------------|-------------------|---------------------|
| Two-days workshop on "Instrumentation Techniques" | <u>135</u> | <u>108</u> | 17 Jan 10:00AM - |

5:00PM

| Name | Email Address | Join Time | Leave Time | Total Duratio n (Minute s) | Gue st |
|--------------------|--|--------------|---------------|----------------------------|-----------|
| | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Amity University | zoom3@amity.edu | 11:55 | 16:31 | 277 | No |
| | | 17-01- | 17-01- | | |
| | zohrimahrus020599@gmail.c | 2022 | 2022 | | |
| Zohri Mahrus | om | 12:24 | 14:21 | 118 | Yes |
| | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Vinita Yadav | yvinita213@gmail.com | 10:13 | 11:24 | 72 | Yes |
| | | 17-01- | 17-01- | | |
| | yadavmeenakshi360@gmail. | 2022 | 2022 | | |
| Meenakshi Yadav | com | 15:13 | 16:31 | 79 | Yes |
| | | 17-01- | 17-01- | | |
| | yadavdeepika2370@gmail.co | 2022 | 2022 | | |
| Deepika Yadav | m | 10:14 | 15:06 | 293 | Yes |
| • | | 17-01- | 17-01- | | |
| VAIBHAV | | 2022 | 2022 | | |
| VASHISHT | vaibhavforensic@gmail.com | 10:22 | 10:44 | 22 | Yes |
| | | 17-01- | 17-01- | | |
| | tesyahdwianugrah@gmail.co | 2022 | 2022 | | |
| Tesyah Dwi Anugrah | m | 10:12 | 10:53 | 42 | Yes |
| | | 17-01- | 17-01- | | |
| | tamannamehra2707@gmail.c | 2022 | 2022 | | |
| Tamanna Mehra | om | 10:12 | 11:34 | 83 | Yes |
| | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Tanu Allen | tallen@amity.edu | 10:11 | 16:26 | 375 | Yes |
| | | 17-01- | 17-01- | | |
| | swetaraghav1999@gmail.co | 2022 | 2022 | | |
| Km sweta sweta | m | 10:32 | 11:58 | 87 | Yes |
| | | 17-01- | 17-01- | | |
| SUJIT KUMAR | | 2022 | 2022 | | |
| PANDEY | sujitdhn11098@gmail.com | 10:13 | 11:30 | 77 | Yes |
| | Samuel Sa | 17-01- | 17-01- | 1 | |
| | | 2022 | 2022 | | |
| sujeet pandey | sujeet.pandey@s.amity.edu | 10:40 | 15:07 | 267 | Yes |
| - Jeer person | | 17-01- | 17-01- | | |
| Harsh PANDEY | stark7220@gmail.com | 2022 | 2022 | 70 | Yes |

| | | 10:14 | 11:23 | | |
|-------------------------------|------------------------------------|--------|--------|-----|-------------|
| | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Stanzin Stobjor | stanzin.stobjor@s.amity.edu | 15:10 | 16:31 | 82 | Yes |
| zwiiziii zveejer | | 17-01- | 17-01- | 02 | 100 |
| | | 2022 | 2022 | | |
| Sohini Singh | ssingh14@amity.edu | 15:27 | 16:08 | 41 | Yes |
| Somm Singii | ssingiii + @ aimty.cau | 17-01- | 17-01- | 71 | 103 |
| | | 2022 | 2022 | | |
| Prof. S R Pathak | srpathak@ggn.amity.edu | 15:13 | 16:31 | 79 | Yes |
| 1101. 5 K 1 atriak | sipatnak@ggn.annty.cdu | 17-01- | 17-01- | 17 | 103 |
| | | 2022 | | | |
| Craniti Drawle are | annul an Guna and the ade | | 2022 | 1 | Vac |
| Suniti Purbey | spurbey@rpr.amity.edu | 10:24 | 10:25 | 1 | Yes |
| | | 17-01- | 17-01- | | |
| | sindhusahithi9913@gmail.co | 2022 | 2022 | 110 | |
| sindhu sahithi | m | 10:12 | 12:04 | 113 | Yes |
| | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Simran Barawal | simran.barawal@s.amity.edu | 10:12 | 11:30 | 79 | Yes |
| | | 17-01- | 17-01- | | |
| | sheokandbharti123@gmail.c | 2022 | 2022 | | |
| Bharti Sheokand | om | 14:46 | 16:31 | 106 | Yes |
| | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Shantanu Rao | shantanu1@s.amity.edu | 15:01 | 16:31 | 90 | Yes |
| | | 17-01- | 17-01- | | |
| Dr. Shakeeluddin | | 2022 | 2022 | | |
| Shakeeluddin | schaudhary@gn.amity.edu | 10:21 | 11:29 | 68 | Yes |
| | , , , | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Sharika Yadav | sarika9914@gmail.com | 10:38 | 11:23 | 45 | Yes |
| | 8 | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Rajlakshmi Rajkumari | sanark1239@gmail.com | 14:51 | 16:31 | 100 | Yes |
| Trajianomini Trajiromani | Sanarri 200 e ginarre om | 17-01- | 17-01- | 100 | 105 |
| | | 2022 | 2022 | | |
| Dr. Sal Prima Yudha | salprima@unib.ac.id | 10:08 | 11:41 | 94 | Yes |
| Dr. Sai i i i i i a i a a i a | saipiinia & unio.ac.ia | 17-01- | 17-01- | 74 | 103 |
| | | 2022 | 2022 | | |
| Sakshi Ranjan | sakshi.ranjan393@gmail.com | 15:02 | 16:05 | 63 | Yes |
| Saksiii Kaiijaii | saksiii.iaiijaii.595@giiiaii.coiii | 17-01- | 17-01- | 0.5 | 168 |
| | | | | | |
| Doobone Circal | noin ala 2 @ s i t i | 2022 | 2022 | 27 | 37 - |
| Rachana Singh | rsingh2@amity.edu | 10:31 | 11:08 | 37 | Yes |
| | | 17-01- | 17-01- | | |
| | 07.0 | 2022 | 2022 | | ., |
| Ritika Bhandari | ritikaaa97@gmail.com | 10:26 | 11:30 | 65 | Yes |

| | | 17-01- | 17-01- | | |
|--------------------|-----------------------------|----------|--------|----------|-----|
| | | 2022 | 2022 | | |
| Reva Sharma | revagautam0@gmail.com | 15:19 | 16:32 | 74 | Yes |
| Tto va Sharma | To vagaatamo e gmante om | 17-01- | 17-01- | <u> </u> | 105 |
| Muhamad Alvin | | 2022 | 2022 | | |
| Reagen | reagenalvin@gmail.com | 14:53 | 15:50 | 58 | Yes |
| reagen | Teagenary in a ginanicom | 17-01- | 17-01- | 30 | 105 |
| | | 2022 | 2022 | | |
| Rishu Yadav | raohrsh@gmail.com | 10:11 | 10:28 | 17 | Yes |
| Telsiia Tadav | Tuomish e ginum.com | 17-01- | 17-01- | 17 | 105 |
| | | 2022 | 2022 | | |
| Arti Rao | raoarti3398@gmail.com | 15:22 | 16:31 | 70 | Yes |
| Alti Rao | raoarti3370@gman.com | 17-01- | 17-01- | 70 | 103 |
| | | 2022 | 2022 | | |
| Rajeni Kumari | rajeni8947@gmail.com | 10:22 | 11:22 | 60 | Yes |
| Kajem Kuman | rajem8947@gman.com | 17-01- | 17-01- | 00 | 108 |
| | | 2022 | 2022 | | |
| Putri Ramanda | putriramanda18@gmail.com | 10:38 | 10:40 | 2 | Yes |
| r uti i Kaiiiaiiua | putifianida 18@gman.com | 17-01- | 17-01- | <u> </u> | 168 |
| | | 2022 | 2022 | | |
| Purva Batra | mumus 1025@ amail asm | 15:18 | 16:31 | 74 | Yes |
| Purva Daura | purva1025@gmail.com | + | | 74 | res |
| | | 17-01- | 17-01- | | |
| Dania Carla | | 2022 | 2022 | 72 | Vac |
| Pooja Sapla | pujjasapla3398@gmail.com | 15:21 | 16:32 | 72 | Yes |
| | | 17-01- | 17-01- | | |
| D ' 1/2 ' | . 1 . 6 . 1 | 2022 | 2022 | 00 | 3.7 |
| Priya Kumari | priyasehoriya@gmail.com | 15:10 | 16:31 | 82 | Yes |
| | . 1 22120 3 | 17-01- | 17-01- | | |
| D: 1 M 1 | priyankamachra2312@gmail. | 2022 | 2022 | 101 | 3.7 |
| Priyanka Machra | com | 10:19 | 12:00 | 101 | Yes |
| | 1 565050 '1 | 17-01- | 17-01- | | |
| D | preetiyadav56585@gmail.co | 2022 | 2022 | | *** |
| Preeti Yadav | m | 15:27 | 16:31 | 65 | Yes |
| | | 17-01- | 17-01- | | |
| D D 1 | prangya.rath@student.amity. | 2022 | 2022 | | ** |
| Prangya Rath | edu | 11:31 | 11:31 | 1 | Yes |
| | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Pooja . | pooja2136946@gmail.com | 15:12 | 16:31 | 80 | Yes |
| | | 17-01- | 17-01- | | |
| 5 . 1 . | | 2022 | 2022 | -60 | |
| Priyanka yadav | piyuyadav2410@gmail.com | 10:17 | 11:25 | 68 | Yes |
| | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Pinky Yadav | pinkyyadav06@gmail.com | 10:16 | 11:21 | 66 | Yes |
| Dr Amita Gaurav | pantamita@rediffmail.com | 17-01- | 17-01- | 76 | Yes |

| Dimri | | 2022 | 2022 | | |
|-------------------|------------------------------|--------|--------|-----|-----|
| | | 10:12 | 11:27 | | |
| | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Naveen kumar | nk29081998@gmail.com | 15:27 | 15:50 | 24 | Yes |
| | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Nidhi Rana | nidhi13rana@gmail.com | 10:19 | 11:24 | 65 | Yes |
| | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Neha | nehapayal2027@gmail.com | 10:15 | 11:25 | 71 | Yes |
| | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Neha Sehrawat | neha10sehrawat@gmail.com | 10:48 | 11:32 | 44 | Yes |
| | 8 | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Neeru Yadav | neeruyadav027@gmail.com | 10:11 | 12:19 | 128 | Yes |
| Troota Tadar | neorajada (oz / e ginameom | 17-01- | 17-01- | 120 | 105 |
| NANDLAL | | 2022 | 2022 | | |
| CHOUDHARY | nchoudhary@amity.edu | 12:15 | 14:00 | 105 | Yes |
| CHOODIMIKT | nenoudiary cumity.edu | 17-01- | 17-01- | 100 | 105 |
| | | 2022 | 2022 | | |
| neeta bhagat | nbhagat@amity.edu | 15:30 | 16:31 | 62 | Yes |
| neeta onagat | monagat@amity.cdu | 17-01- | 17-01- | 02 | 103 |
| | | 2022 | 2022 | | |
| Dr. Monika Vats | mvats1@ggn.amity.edu | 09:33 | 12:31 | 178 | Yes |
| Di. Wollika Vats | mvatsi @ggi.aimty.cdu | 17-01- | 17-01- | 170 | 103 |
| | | 2022 | 2022 | | |
| Muskan Goel | muskan6400@gmail.com | 10:14 | 11:21 | 68 | Yes |
| Widskan Goei | muskano+oo@gman.com | 17-01- | 17-01- | 00 | 103 |
| | | 2022 | 2022 | | |
| Manich SHANDII VA | mshandilya@ggn.amity.edu | 15:07 | 16:31 | 85 | Yes |
| Wallsh STIANDILTA | msnandnya@ggn.annty.edu | 17-01- | 17-01- | 0.5 | 103 |
| | | 2022 | 2022 | | |
| Monika Gautam | mona2120456@gmail.com | 15:26 | 16:31 | 66 | Yes |
| Wollika Gautaili | monaz 120430 @ gman.com | 17-01- | 17-01- | 00 | 103 |
| | | 2022 | 2022 | | |
| Manu Jadon | mjadon796@gmal.com | 10:35 | 11:30 | 56 | Yes |
| Ivianu Jauon | mjadon / 70@ gman.com | 17-01- | 17-01- | 50 | 103 |
| | | 2022 | 2022 | | |
| Metha Amelia | methaameliaa01@gmail.com | 10:13 | 10:41 | 29 | Yes |
| IVICUIA FAIIICIIA | memaamenaaor @ gman.com | 17-01- | 17-01- | 2) | 168 |
| | meenu.yadav.my89@gmail.c | 2022 | 2022 | | |
| Meenu Meenu | | 11:03 | 12:11 | 69 | Yes |
| IVICCIIU IVICCIIU | om mayonkianara 1020@amail a | 17-01- | 17-01- | 09 | 168 |
| Mayank Ianara | mayankjangra1929@gmail.c | | 2022 | 2 | Vec |
| Mayank Jangra | om | 2022 | 2022 | 3 | Yes |

| | | 11:19 | 11:21 | | |
|---------------------|--|--------|--------|-----|-----|
| | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Zinny | mapetdoris@gmail.com | 15:04 | 16:31 | 87 | Yes |
| Zimiy | mapetaonis e ginaniconi | 17-01- | 17-01- | 07 | 105 |
| | | 2022 | 2022 | | |
| Mansi Swami | mansiswami15@gmail.com | 15:21 | 16:31 | 70 | Yes |
| Wansi Swann | mansiswami 15 @ gman.com | 17-01- | 17-01- | 70 | 103 |
| | | 2022 | 2022 | | |
| Dr. Mohammad Abid | mabid@jmi.ac.in | 10:04 | 11:20 | 77 | Yes |
| Di. Monammau Autu | maoid@jim.ac.m | 17-01- | 17-01- | 11 | 168 |
| | | | | | |
| Taruna Lodhi | ladhitany@amail.aam | 2022 | 2022 | 85 | Vac |
| Taruna Louni | lodhitanu@gmail.com | 15:07 | 16:31 | 83 | Yes |
| D I 'IZ / | | 17-01- | 17-01- | | |
| Dr. Laxmi Kant | | 2022 | 2022 | 100 | *** |
| Bhardwaj | lkbhardwaj@amity.edu | 13:30 | 16:29 | 180 | Yes |
| | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Laxmi Devi | laxmi87devi@gmail.com | 15:07 | 16:31 | 85 | Yes |
| | | | | | |
| | | | | | |
| Lalit Sharma | 17-01- 17-01- 2022 2022 2022 15:17 16:31 7 2022 2022 2022 2022 2022 2022 2022 2022 2022 2022 20 | 74 | Yes | | |
| | | 17-01- | 17-01- | | Yes |
| | kurniafarahandina@gmail.co | 2022 | 2022 | | Yes |
| Kurnia Farah Andina | m | 13:49 | 13:51 | 3 | Yes |
| | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Shivay Kumar | kumar.shivay07@gmail.com | 10:12 | 13:47 | 216 | Yes |
| • | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| krishna gautam | krishna.gautam@s.amity.edu | 15:02 | 16:31 | 89 | Yes |
| | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Krati Saxena | krati.saxena@s.amity.edu | 15:58 | 16:15 | 18 | Yes |
| | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Kiran Yadav | kiran12yadav12@gmail.com | 15:01 | 16:31 | 91 | Yes |
| | | 17-01- | 17-01- | | 100 |
| Bibi Shaguftah | | 2022 | 2022 | | |
| Khatoon | khatoon.chem@gmail.com | 12:13 | 15:01 | 168 | Yes |
| Millioon | Middon, chemie gindin com | 17-01- | 17-01- | 100 | 103 |
| | | 2022 | 2022 | | |
| Juli Mawaty Sinaga | juli05sinaga@gmail.com | 10:54 | 11:51 | 58 | Yes |
| Juli Mawaty Siliaga | Junobsmaga@gman.com | | | 30 | 168 |
| | | 17-01- | 17-01- | | |
| Dr. Iomilia | iomlia@unib aa id | 2022 | 2022 | 40 | Vaa |
| Dr. Jarulis | jarulis@unib.ac.id | 10:47 | 11:36 | 49 | Yes |

| | | 17-01- | 17-01- | | |
|------------------------------|------------------------------|---------------|---------------|-----|-----|
| | | 2022 | 2022 | | |
| Dr. G S Bhumbrah | gsbumbrah@ggn.amity.edu | 14:53 | 15:21 | 28 | Yes |
| Di. G S Bitamoran | gsoumoran e ggmannty.eaa | 17-01- | 17-01- | 20 | 105 |
| | | 2022 | 2022 | | |
| Gauri Pandey | gpandey@amity.edu | 10:12 | 10:34 | 23 | Yes |
| Gaurr randey | gpande y @ anney.edd | 17-01- | 17-01- | 23 | 103 |
| | | 2022 | 2022 | | |
| Rounak Ghosh | ghoshrounak3@gmail.com | 11:00 | 11:26 | 27 | Yes |
| Roullak Gliosii | gnosmounaks @ gman.com | 17-01- | 17-01- | 21 | 103 |
| | garima.sachdeva1009@gmail | 2022 | 2022 | | |
| Garima Sachdeva | | 14:53 | 16:31 | 99 | Yes |
| Garina Sachueva | .com | 17-01- | 17-01- | 77 | 168 |
| | alconyamaha ana 960 amail aa | 2022 | 2022 | | |
| Catyo Elsa Nugraha | ekonugroho.ene86@gmail.co | 13:54 | | 1 | Vac |
| Setyo Eko Nugroho | m | | 13:54 | 1 | Yes |
| | | 17-01- | 17-01- | | |
| T1 A | -1 @ ;1 | 2022 | 2022 | 120 | 37 |
| Eka Angasa | eka.angasa@gmail.com | 11:53 | 14:02 | 130 | Yes |
| | | 17-01- | 17-01- | | |
| D 1 E'. ' | | 2022 | 2022 | 22 | 3.7 |
| Dyah Fitriani | dyah.fitriani@unib.ac.id | 11:44 | 12:15 | 32 | Yes |
| | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Dr. Dipti Vaya | dvaya@ggn.amity.edu | 09:48 | 11:29 | 101 | Yes |
| | | 17-01- | 17-01- | | |
| | duwenadelianti06221@gmail | 2022 | 2022 | | |
| Duwena Delianti | .com | 10:12 | 10:41 | 30 | Yes |
| | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Durga Yadav | durgayadav1809@gmail.com | 10:32 | 11:24 | 52 | Yes |
| | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Devi Ratnawati | deviratnawati@unib.ac.id | 11:35 | 11:35 | 1 | Yes |
| | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Arti Deshwal | deswal8151@gmail.com | 15:00 | 16:31 | 91 | Yes |
| | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Deni Agus Triawan | deni_agust@ymail.com | 15:02 | 16:31 | 90 | Yes |
| | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Deepti Arya | deepti0903arya@gmail.com | 15:05 | 16:31 | 87 | Yes |
| University of | | 17-01- | 17-01- | | |
| 3 | 1 | | | 1 | 1 |
| Bengkulu Dede | | 2022 | 2022 | | |
| Bengkulu _ Dede Kurniawan | dedekim828@gmail.com | 2022 10:12 | 2022 11:23 | 71 | Yes |

| | | 2022 | 2022 | | |
|---------------------|----------------------------|--------|--------|-----|-----|
| | | 09:45 | 11:35 | | |
| | | 17-01- | 17-01- | | |
| | boorasheetal2503@gmail.co | 2022 | 2022 | | |
| Sheetal Boora | m | 10:12 | 11:20 | 69 | Yes |
| Silectul Boolu | 111 | 17-01- | 17-01- | 07 | 105 |
| | barkhachauhan345@gmail.c | 2022 | 2022 | | |
| Barkha Chauhan | om | 10:24 | 10:56 | 33 | Yes |
| Darkin Chadhan | | 17-01- | 17-01- | 33 | 105 |
| | | 2022 | 2022 | | |
| Ayushmaan Datta | ayush.datta@gmail.com | 10:11 | 10:35 | 24 | Yes |
| Try dominadii Datta | ayusii.datta@giilaii.com | 17-01- | 17-01- | 27 | 103 |
| | | 2022 | 2022 | | |
| Atul Yadav | atul.yadav8029@gmail.com | 15:00 | 16:04 | 65 | Yes |
| Atui Tauav | atur.yadav8023@gman.com | 17-01- | 17-01- | 03 | 168 |
| | | 2022 | 2022 | | |
| Armahi Chama | ashi sharma 1202@amail aam | 15:04 | 16:31 | 88 | Yes |
| Ayushi Sharma | ashi.sharma1302@gmail.com | 1 | 17-01- | 00 | res |
| | | 17-01- | | | |
| Du Amara a Chaman | achamaca a consister a de | 2022 | 2022 | 100 | Vac |
| Dr. Anurag Sharma | asharma6@ggn.amity.edu | 14:52 | 16:31 | 100 | Yes |
| | | 17-01- | 17-01- | | |
| T7' 1 C ' ' | . 10250 1 | 2022 | 2022 | 0.4 | 3.7 |
| Vivek Saini | aryavivek035@gmail.com | 10:13 | 11:36 | 84 | Yes |
| | | 17-01- | 17-01- | | |
| 4 1 36 19 | 1 111 2200 0 11 | 2022 | 2022 | | ** |
| Anshu Malik | anshumalik2398@gmail.com | 11:02 | 11:24 | 23 | Yes |
| | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | 100 | |
| vivo 1723 | annunikirai11@gmail.com | 14:50 | 16:31 | 102 | Yes |
| | | 17-01- | 17-01- | | |
| | anjalidayama1998@gmail.co | 2022 | 2022 | | |
| Anjali Dayama | m | 10:16 | 11:28 | 72 | Yes |
| | | 17-01- | 17-01- | | |
| (F1B019021) Anisa | | 2022 | 2022 | | |
| Nurazmi | anisa.nurazmi14@gmail.com | 11:34 | 12:16 | 42 | Yes |
| | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Anand Salvi | anandsindu53@gmail.com | 10:12 | 11:45 | 94 | Yes |
| | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Prof A.K. Yadav | akyadav2@ggn.amity.edu | 09:59 | 13:30 | 212 | Yes |
| | | 17-01- | 17-01- | | |
| Dr. Abhishek | | 2022 | 2022 | | |
| Chauhan | akchauhan@amity.edu | 10:42 | 11:40 | 59 | Yes |
| | akanshayadav2202@gmail.c | 17-01- | 17-01- | | |
| Akansha Yadav | om | 2022 | 2022 | 55 | Yes |

| | | 10:33 | 11:28 | | |
|---------------|----------------------------|--------|--------|----|-----|
| | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Anil Dubey | adubey@amity.edu | 10:12 | 10:38 | 27 | Yes |
| | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Aditya Mishra | aditya.mishra1@s.amity.edu | 10:13 | 11:21 | 69 | Yes |
| | | 17-01- | 17-01- | | |
| | | 2022 | 2022 | | |
| Shreya Sarkar | 9sarkarshreya@gmail.com | 15:13 | 16:31 | 78 | Yes |

ATTENDANCE SHEET

18TH JANUARY 2022

| Meeting ID | <u>86126582794</u> |
|-------------------------|---|
| Topic | TWO-DAYS WORKSHOP ON "INSTRUMENTATION TECHNIQUES" |
| Speaker | 0 |
| Event Start Time | 01/18/2022 09:32:56 AM |
| Event End Time | 01/18/2022 11:28:32 AM |
| Event Duration | 116 mnt |
| | |
| Dept/Inst | AUGGN ASAP |
| HOI/Moderator | Prof. A.K. Yadav, PhD (IIT Delhi), Director, Amity School of Applied Sciences, Amity University Gurgaon |
| Email | akyadav2@ggn.amity.edu |
| contact Number | 0 |

| Event Name | # Registered | # Attended | Event Date & Time |
|---|--------------|------------|------------------------------|
| Two-days workshop on "Instrumentation Techniques" | <u>135</u> | <u>89</u> | 18 Jan 10:00AM - 12:00PM |

| SrN o Name Email Address | Join Time | Leave Time | Total Duratio n (Minute s) | Gues t | |
|--------------------------|--------------|---------------|----------------------------|-----------|--|
|--------------------------|--------------|---------------|----------------------------|-----------|--|

| I | | | 10.01 | 10.01 | 1 | 1 1 |
|------|---------------|--|--------|--------|------------|-----|
| | | | 18-01- | 18-01- | | |
| | Amity | | 2022 | 2022 | ~ 0 | |
| 1 | University | zoom3@amity.edu | 09:32 | 10:30 | 58 | No |
| | | | 18-01- | 18-01- | | |
| | | zohrimahrus020599@gmail.c | 2022 | 2022 | | |
| 2 | Zohri Mahrus | om | 09:59 | 11:05 | 66 | Yes |
| | | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 3 | Vinita Yadav | yvinita213@gmail.com | 10:00 | 11:28 | 88 | Yes |
| | | | 18-01- | 18-01- | | |
| | Meenakshi | yadavmeenakshi360@gmail.c | 2022 | 2022 | | |
| 4 | Yadav | om | 10:09 | 11:28 | 80 | Yes |
| | | | 18-01- | 18-01- | | |
| | | yadavdeepika2370@gmail.co | 2022 | 2022 | | |
| 5 | Deepika Yadav | <u>m</u> | 10:02 | 11:28 | 87 | Yes |
| | | | 18-01- | 18-01- | | |
| | Varun | | 2022 | 2022 | | |
| 6 | Pawariya | varunpawariya@gmail.com | 10:49 | 11:07 | 18 | Yes |
| | | | 18-01- | 18-01- | | |
| | VAIBHAV | | 2022 | 2022 | | |
| 7 | VASHISHT | vaibhavforensic@gmail.com | 10:06 | 11:28 | 83 | Yes |
| | | | 18-01- | 18-01- | | |
| | Tamanna | tamannamehra2707@gmail.c | 2022 | 2022 | | |
| 8 | Mehra | om | 10:23 | 11:28 | 66 | Yes |
| | | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 9 | Tanu Allen | tallen@amity.edu | 10:10 | 11:04 | 55 | Yes |
| | | , and a second s | 18-01- | 18-01- | | |
| | Km sweta | | 2022 | 2022 | | |
| 10 | sweta | swetaraghav1999@gmail.com | 11:06 | 11:13 | 7 | Yes |
| -10 | SUJIT | SWOOM SHOW ISSUED SHOWING SHOW | 18-01- | 18-01- | , | 100 |
| | KUMAR | | 2022 | 2022 | | |
| 11 | PANDEY | sujitdhn11098@gmail.com | 10:00 | 11:19 | 79 | Yes |
| - 11 | 1111,221 | Sejitami 1000 e giimii com | 18-01- | 18-01- | ,, | 100 |
| | | | 2022 | 2022 | | |
| 12 | sujeet pandey | sujeetpan@gmail.com | 10:24 | 10:30 | 7 | Yes |
| 12 | sajeet pandey | Superpair C Simunicom | 18-01- | 18-01- | , | 105 |
| | | | 2022 | 2022 | | |
| 13 | Sujeet | sujeet.pandey@s.amity.edu | 10:07 | 10:20 | 13 | Yes |
| 13 | Buject | suject.pandey & s.aimty.edd | 18-01- | 18-01- | 1.0 | 103 |
| | | | 2022 | 2022 | | |
| 1.4 | Sorito Tholor | sthekur4@emity.edv | | 11:04 | 24 | Vac |
| 14 | Sarita Thakur | sthakur4@amity.edu | 10:41 | | 24 | Yes |
| | Horob | | 18-01- | 18-01- | | |
| 1.5 | Harsh | stork7220@cm sil som | 2022 | 2022 | 05 | Vac |
| 15 | PANDEY | stark7220@gmail.com | 10:04 | 11:28 | 85 | Yes |
| 16 | Sohini Singh | ssingh14@amity.edu | 18-01- | 18-01- | 15 | Yes |

| | | | 2022 | 2022 | | |
|----|---------------|----------------------------|--------|--------|----|-----|
| | | | 10:14 | 10:28 | | |
| | | | 18-01- | 18-01- | | |
| | Prof. S R | | 2022 | 2022 | | |
| 17 | Pathak | srpathak@ggn.amity.edu | 09:57 | 11:28 | 92 | Yes |
| | | | 18-01- | 18-01- | | |
| | Simran | | 2022 | 2022 | | |
| 18 | Barawal | simran.barawal@s.amity.edu | 10:08 | 11:28 | 80 | Yes |
| | | | 18-01- | 18-01- | | |
| | Bharti | sheokandbharti123@gmail.co | 2022 | 2022 | | |
| 19 | Sheokand | m | 09:59 | 11:28 | 90 | Yes |
| | | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 20 | Shantanu Rao | shantanu1@s.amity.edu | 10:07 | 11:28 | 82 | Yes |
| | Dr. | · | 18-01- | 18-01- | | |
| | Shakeeluddin | | 2022 | 2022 | | |
| 21 | Shakeeluddin | schaudhary@gn.amity.edu | 11:23 | 11:28 | 6 | Yes |
| | | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 22 | Sharika Yadav | sarika9914@gmail.com | 09:59 | 11:28 | 89 | Yes |
| | | | 18-01- | 18-01- | | |
| | Rajlakshmi | | 2022 | 2022 | | |
| 23 | Rajkumari | sanark1239@gmail.com | 09:59 | 11:28 | 90 | Yes |
| | | | 18-01- | 18-01- | | |
| | samiksha | | 2022 | 2022 | | |
| 24 | samant | samantsamiksha@gmail.com | 10:28 | 10:29 | 1 | Yes |
| | | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 25 | Sakshi Ranjan | sakshi.ranjan393@gmail.com | 10:02 | 11:28 | 87 | Yes |
| | | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 26 | Rachana Singh | rsingh2@amity.edu | 10:46 | 11:28 | 42 | Yes |
| | | | 18-01- | 18-01- | | |
| | Ritika | | 2022 | 2022 | | |
| 27 | Bhandari | ritikaaa97@gmail.com | 10:25 | 11:28 | 63 | Yes |
| | | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 28 | Reva Sharma | revagautam0@gmail.com | 10:36 | 11:28 | 52 | Yes |
| | | | 18-01- | 18-01- | | |
| | Muhamad | | 2022 | 2022 | | |
| 29 | Alvin Reagen | reagenalvin@gmail.com | 10:17 | 10:36 | 19 | Yes |
| | | | 18-01- | 18-01- | | |
| _ | | | 2022 | 2022 | | |
| 30 | Rishu Yadav | raohrsh@gmail.com | 10:18 | 10:20 | 3 | Yes |
| | | | 18-01- | 18-01- | | _ |
| 31 | Arti Rao | raoarti3398@gmail.com | 2022 | 2022 | 47 | Yes |

| | | | 10:35 | 11:21 | | |
|----|---------------|---|--------|--------|-----|-----|
| | | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 32 | Rajeni Kumari | rajeni8947@gmail.com | 10:05 | 10:28 | 24 | Yes |
| | , | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 33 | Purva Batra | purva1025@gmail.com | 10:00 | 11:28 | 89 | Yes |
| | | F 112 - 112 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 34 | Pooja Sapla | pujjasapla3398@gmail.com | 10:11 | 11:28 | 78 | Yes |
| | 1 ooja sapia | pujjusupiuss yoʻs giridiri com | 18-01- | 18-01- | , 0 | 105 |
| | | | 2022 | 2022 | | |
| 35 | Priya Kumari | priyasehoriya@gmail.com | 10:02 | 10:18 | 16 | Yes |
| | Tilya Kuman | priyasenoriya@gman.com | 18-01- | 18-01- | 10 | 103 |
| | Priyanka | priyankamachra2312@gmail. | 2022 | 2022 | | |
| 36 | Machra | com | 10:04 | 10:55 | 51 | Yes |
| 30 | Macina | Com | 18-01- | 18-01- | 31 | 168 |
| | | prostived by 56595@ ameil ac | 2022 | 2022 | | |
| 27 | Dragti Vaday | preetiyadav56585@gmail.co | | | 16 | Vac |
| 37 | Preeti Yadav | m | 11:13 | 11:29 | 16 | Yes |
| | | | 18-01- | 18-01- | | |
| 20 | D:- | | 2022 | 2022 | 90 | X/ |
| 38 | Pooja . | pooja2136946@gmail.com | 09:59 | 11:28 | 89 | Yes |
| | | | 18-01- | 18-01- | | |
| • | | | 2022 | 2022 | • | |
| 39 | Pinky Yadav | pinkyyadav06@gmail.com | 10:41 | 11:10 | 30 | Yes |
| | | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 40 | Naveen kumar | nk29081998@gmail.com | 10:11 | 11:28 | 78 | Yes |
| | | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 41 | Nisha yadav | nishuyadav2017@gmail.com | 10:56 | 11:28 | 33 | Yes |
| | | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 42 | Nidhi Rana | nidhi13rana@gmail.com | 11:03 | 11:28 | 26 | Yes |
| | | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 43 | Neha | nehapayal2027@gmail.com | 10:02 | 11:28 | 87 | Yes |
| | | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 44 | Neha Sehrawat | neha10sehrawat@gmail.com | 10:33 | 10:56 | 24 | Yes |
| - | | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 45 | Neeru Yadav | neeruyadav027@gmail.com | 10:01 | 10:48 | 47 | Yes |
| | | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 46 | Nandlal | nchoudhary@amity.edu | 10:40 | 11:28 | 48 | Yes |

| | | | • | | i | |
|------|---------------------------------------|----------------------------|--------|--------|-----|-----|
| | | | 18-01- | 18-01- | | |
| | Dr. Monika | | 2022 | 2022 | | |
| 47 | Vats | mvats1@ggn.amity.edu | 09:47 | 11:28 | 102 | Yes |
| | | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 48 | Muskan Goel | muskan6400@gmail.com | 09:59 | 11:26 | 87 | Yes |
| | | | 18-01- | 18-01- | | |
| | Manish | | 2022 | 2022 | | |
| 49 | SHANDILYA | mshandilya@ggn.amity.edu | 10:18 | 11:28 | 71 | Yes |
| | | , , , | 18-01- | 18-01- | | |
| | Monika | | 2022 | 2022 | | |
| 50 | Gautam | mona2120456@gmail.com | 10:24 | 11:28 | 65 | Yes |
| | | 3 | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 51 | Manu Jadon | mjadon796@gmal.com | 11:08 | 11:09 | 1 | Yes |
| | | J | 18-01- | 18-01- | | |
| | | meenu.yadav.my89@gmail.co | 2022 | 2022 | | |
| 52 | Meenu Meenu | m | 10:59 | 11:02 | 3 | Yes |
| | | | 18-01- | 18-01- | | |
| | | mayankjangra1929@gmail.co | 2022 | 2022 | | |
| 53 | Mayank Jangra | m | 10:47 | 11:05 | 18 | Yes |
| | i i i i i i i i i i i i i i i i i i i | | 18-01- | 18-01- | 10 | 105 |
| | | | 2022 | 2022 | | |
| 54 | Zinny | mapetdoris@gmail.com | 10:02 | 11:28 | 87 | Yes |
| 3. | Ziiiiiy | inapetaons e ginameoni | 18-01- | 18-01- | 07 | 105 |
| | | | 2022 | 2022 | | |
| 55 | Mansi Swami | mansiswami15@gmail.com | 09:59 | 10:17 | 19 | Yes |
| 33 | Wansi Swaim | mansis warm 13 e gman.com | 18-01- | 18-01- | 17 | 103 |
| | | | 2022 | 2022 | | |
| 56 | Taruna Lodhi | lodhitanu@gmail.com | 09:59 | 11:28 | 90 | Yes |
| 30 | Turuna Louin | Todinana e ginan.com | 18-01- | 18-01- | 70 | 103 |
| | Dr. Laxmi | | 2022 | 2022 | | |
| 57 | Kant Bhardwaj | lkbhardwaj@amity.edu | 10:10 | 11:28 | 78 | Yes |
| 37 | Tant Bharawaj | ikonarawaj e amrty.eaa | 18-01- | 18-01- | 70 | 103 |
| | | | 2022 | 2022 | | |
| 58 | Laxmi Devi | laxmi87devi@gmail.com | 10:16 | 11:28 | 72 | Yes |
| 50 | Durini Devi | iminoracvie ginan.com | 18-01- | 18-01- | 12 | 103 |
| | | | 2022 | 2022 | | |
| 59 | Lalit Sharma | lalitsharmag987@gmail.com | 10:09 | 11:28 | 79 | Yes |
| 3) | Lam Shailla | rantonarmag/0/@gman.com | 18-01- | 18-01- | 17 | 103 |
| | | | 2022 | 2022 | | |
| 60 | Shivay Kumar | kumar.shivay07@gmail.com | 11:00 | 11:25 | 26 | Yes |
| - 50 | Silivay Ixumai | Kumar.smvayo/@gman.com | 18-01- | 18-01- | 20 | 103 |
| | | | 2022 | 2022 | | |
| 61 | krishna gautam | krishna.gautam@s.amity.edu | 09:58 | 11:28 | 90 | Yes |
| | | | | | | |
| 62 | Kiran Yadav | kiran12yadav12@gmail.com | 18-01- | 18-01- | 86 | Yes |

| | | | 2022 | 2022 | | |
|----|----------------|----------------------------|--------|--------|----|-----|
| | | | 09:59 | 11:25 | | |
| | | | 18-01- | 18-01- | | |
| | Bibi Shaguftah | | 2022 | 2022 | | |
| 63 | Khatoon | khatoon.chem@gmail.com | 10:26 | 11:28 | 62 | Yes |
| | | | 18-01- | 18-01- | | |
| | Juli Mawaty | | 2022 | 2022 | | |
| 64 | Sinaga | juli05sinaga@gmail.com | 10:37 | 10:41 | 4 | Yes |
| | | | 18-01- | 18-01- | | |
| | Dr. G S | | 2022 | 2022 | | |
| 65 | Bhumbrah | gsbumbrah@ggn.amity.edu | 09:59 | 11:28 | 90 | Yes |
| | | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 66 | Rounak ghosh | ghoshrounak3@gmail.com | 10:42 | 11:08 | 26 | Yes |
| | | | 18-01- | 18-01- | | |
| | Garima | garima.sachdeva1009@gmail. | 2022 | 2022 | | |
| 67 | Sachdeva | com | 09:59 | 11:25 | 87 | Yes |
| | | | 18-01- | 18-01- | | |
| | Setyo Eko | ekonugroho.ene86@gmail.co | 2022 | 2022 | | |
| 68 | Nugroho | m | 10:31 | 11:14 | 43 | Yes |
| | | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 69 | Dr. Dipti Vaya | dvaya@ggn.amity.edu | 09:55 | 11:04 | 69 | Yes |
| | | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 70 | Arti Deshwal | deswal8151@gmail.com | 10:01 | 11:28 | 88 | Yes |
| | | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 71 | Deepti Arya | deepti0903arya@gmail.com | 10:05 | 11:28 | 84 | Yes |
| | | | 18-01- | 18-01- | | |
| | Cahya Ardianti | cahyaardianti2906@gmail.co | 2022 | 2022 | | |
| 72 | Pasaribu | m | 10:20 | 11:28 | 68 | Yes |
| | | | 18-01- | 18-01- | | |
| | Dr Bhuvnesh | | 2022 | 2022 | | |
| 73 | Yadav | byadav@ggn.amity.edu | 09:58 | 10:44 | 47 | Yes |
| | | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 74 | Sheetal Boora | boorasheetal2503@gmail.com | 10:01 | 11:26 | 86 | Yes |
| | | | 18-01- | 18-01- | | |
| | Barkha | barkhachauhan345@gmail.co | 2022 | 2022 | | |
| 75 | Chauhan | m | 10:15 | 11:28 | 74 | Yes |
| | | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 76 | Atul Yadav | atul.yadav8029@gmail.com | 09:58 | 11:28 | 90 | Yes |
| | | | 18-01- | 18-01- | | |
| 77 | Ayushi Sharma | ashi.sharma1302@gmail.com | 2022 | 2022 | 83 | Yes |

| ı | | T | Ī | l | Ī | 1 1 |
|----|------------------|-------------------------------|--------|--------|----|-----|
| | | | 10:05 | 11:28 | | |
| | | | 18-01- | 18-01- | | |
| | Dr. Anurag | | 2022 | 2022 | | |
| 78 | Sharma | asharma6@ggn.amity.edu | 09:56 | 11:28 | 93 | Yes |
| | | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 79 | Vivek Saini | aryavivek035@gmail.com | 10:07 | 11:26 | 79 | Yes |
| | | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 80 | Anshu Malik | anshumalik2398@gmail.com | 11:06 | 11:28 | 22 | Yes |
| | | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 81 | Annu Rai | annunikirai11@gmail.com | 10:01 | 11:28 | 87 | Yes |
| | | | 18-01- | 18-01- | | |
| | | anjalidayama1998@gmail.co | 2022 | 2022 | | |
| 82 | Anjali Dayama | m | 10:04 | 11:22 | 79 | Yes |
| | Ž | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 83 | Anand Salvi | anandsindu53@gmail.com | 10:01 | 11:19 | 79 | Yes |
| | | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 84 | Ankita mathur | amathur@gn.amity.edu | 10:49 | 11:28 | 39 | Yes |
| | | Ţ, | 18-01- | 18-01- | | |
| | Prof A.K. | | 2022 | 2022 | | |
| 85 | Yadav | akyadav2@ggn.amity.edu | 10:40 | 11:28 | 48 | Yes |
| | | <i>J SC J</i> | 18-01- | 18-01- | | |
| | | akanshayadav2202@gmail.co | 2022 | 2022 | | |
| 86 | Akansha yadav | m | 10:13 | 11:11 | 58 | Yes |
| | | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 87 | Amit kumar | ak8689049@gmail.com | 10:44 | 10:58 | 15 | Yes |
| | | | 18-01- | 18-01- | | |
| | | | 2022 | 2022 | | |
| 88 | Aditya Mishra | aditya.mishra1@s.amity.edu | 10:01 | 11:28 | 88 | Yes |
| | _ idity a miditu | | 18-01- | 18-01- | | 200 |
| | | | 2022 | 2022 | | |
| 89 | Shreya Sarkar | 9sarkarshreya@gmail.com | 10:39 | 11:28 | 50 | Yes |
| | - Zineja Barkar | , sainaisine ja e giliali.com | 10.07 | 11.20 | | 100 |

Event Coordinator Name: Monika Vats

Event Coordinator Signature:



Dr. Supreet Outcome Coordinator, ASAS



Prof. A. K. Yadav Director, ASAS

Signature of HOI **Stamp of the Department**