



## **15 Days Certificate Training Programme On “GREEN SYNTHESIS OF NANOPARTICLES”**

### **Name of the activity:**

15 Days Certificate Training Programme On “GREEN SYNTHESIS OF NANOPARTICLES”

**Department-** Botany & Chemistry

**Event date:** 01/12/2023 – 15/12/2023

**No. of Participants:** 70

### **Event Report:**

A 15-day certificate training program organized at Sri Sankaracharya Mahavidyalaya under the joint aegis of the Department of Botany and Chemistry from 1 December 2023 to 15 December 2023 on the topic - “Green Synthesis of Nanoparticles”, which concluded by awarding certificates to the students. This event was organized under the leadership of Ms. Varsha Yadav (Head of Department of Botany) and Mrs. Padma Rani Verma (Head of Department of Chemistry). In this training program, students were made aware about the concept of nanotechnology, approaches to nanoparticle synthesis and green synthesis of nanoparticles. In this program, the Principal of the college Dr. Archana Jha, Dean Academic of the college Dr. J Durga Prasad Rao, Head of the Department of Microbiology Dr. Rachna Chaudhary and the Head of the Department of Zoology Dr. Sonia Bajaj and other professors were specially present.

**Outcome:** In this 15-day event, students learned what a nanoparticle is, their synthesis from plants and how nanoparticles can be beneficially used in our lives and their future possibilities were explained in detail. It develops therapeutic nanosized materials for biomedical and pharmaceutical applications. Chemical methods for the synthesis of nanoparticles require toxic chemicals, organic solvents and stabilizers as reducing agents, as a result, it causes toxicity in the environment. Therefore, except for their use in a variety of diagnostic and biomedical fields, a clean, reliable, biocompatible and eco-friendly green synthesis approach should be used for nanoparticle synthesis. In this way, plant-mediated synthesis of nanoparticles is considered more suitable. Biological





synthesis of nanoparticles is being carried out by leaves, seeds, roots of various plants, bacteria, fungi, seaweeds and microalgae. Biosynthesized nanomaterials are effectively controlling various endemic diseases with minimal adverse effects. Plants contain abundant natural compounds such as alkaloids, flavonoids, saponins, steroids, tannins and other nutritional compounds.

 **SHRI SHANKARACHARYA MAHAVIDYALYA, JUNWANI -  
BHILAI, DIST.- DURG, C.G.-INDIA**  
NAAC Re-accredited with "A" grade, (CGPA 3.10),  
Recognized by Govt. of C.G. & Affiliated to Hemchand Yadav University, Durg and Under Section 2(f) and 12(B) of the UGC Act, 1956

Registration Link- <https://forms.gle/77GxFVuWUdqT5XsT9>

**15 days certificate course**  
On

**"GREEN SYNTHESIS OF NANOPARTICLES"**  
DATED- 01 DEC. TO 15 DEC. 2023  
(Organised by- Department of Botany & Chemistry )

Documents-







Sl. No.	Name	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10	Day 11	Day 12	Day 13	Day 14	Day 15
1	Dr. Anand Kumar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	Dr. Anand Kumar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	Dr. Anand Kumar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	Dr. Anand Kumar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	Dr. Anand Kumar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

**Press Release-**



**Press Link-**

<https://steelcity.online/completion-of-15-day-certificate-training-program-at-sri-shankaracharya-mahavidyalaya/?preview=true>





## Facebook Link-

1.

[https://www.facebook.com/ssmv.bhilai/posts/pfbid02rVyySk1WTCPm4s8YZHBZhcSvx3RwVBdBuQkxa8YUm5DCptoNE13s1UFNSjPXUHEql?\\_cft\\_\\_\[0\]=AZWAMiU7SuqVzi2zvxPMSriR30Rfw3oX8dJRRcku27q4F7dC9\\_0P\\_UPUrDCI9GbT1Xwv4rzg\\_uDJflqVe2d500zb-ww0r8AtdNCuHdy6MAxP4XFH977pa1v2AJXjyvLb4d0MI\\_Mr9sVcBjzEuT0d3xBde\\_dPdRlRQRWQlRt3QpEyw&\\_tn=%20%2CP-R](https://www.facebook.com/ssmv.bhilai/posts/pfbid02rVyySk1WTCPm4s8YZHBZhcSvx3RwVBdBuQkxa8YUm5DCptoNE13s1UFNSjPXUHEql?_cft__[0]=AZWAMiU7SuqVzi2zvxPMSriR30Rfw3oX8dJRRcku27q4F7dC9_0P_UPUrDCI9GbT1Xwv4rzg_uDJflqVe2d500zb-ww0r8AtdNCuHdy6MAxP4XFH977pa1v2AJXjyvLb4d0MI_Mr9sVcBjzEuT0d3xBde_dPdRlRQRWQlRt3QpEyw&_tn=%20%2CP-R)

2.

[https://www.facebook.com/ssmv.bhilai/posts/pfbid02mLRJQpmhw3Ktdi5in4yTX6Q3ieJmJJj2mN7R5DsdUWp8jFqdHUMawurgvW4QHaKal?\\_cft\\_\\_\[0\]=AZUA8ILQT0hANqjxVVBcSWizmLqSqJb3EYZXyBk7Yjj5C3-fdLeOAceL8WzUVUOADmO1qSQyf133dSx\\_IG2CBOB6Z0i-olU5Bwvrv8BaqEOIQP5etEJMA9M5OPri9S3x2p-cFuBPWmDCjwaZaZsNGNmDv5LO9ITBM\\_EkpW8uC\\_21g&\\_tn=%20%2CP-R](https://www.facebook.com/ssmv.bhilai/posts/pfbid02mLRJQpmhw3Ktdi5in4yTX6Q3ieJmJJj2mN7R5DsdUWp8jFqdHUMawurgvW4QHaKal?_cft__[0]=AZUA8ILQT0hANqjxVVBcSWizmLqSqJb3EYZXyBk7Yjj5C3-fdLeOAceL8WzUVUOADmO1qSQyf133dSx_IG2CBOB6Z0i-olU5Bwvrv8BaqEOIQP5etEJMA9M5OPri9S3x2p-cFuBPWmDCjwaZaZsNGNmDv5LO9ITBM_EkpW8uC_21g&_tn=%20%2CP-R)

3.

[https://www.facebook.com/ssmv.bhilai/posts/pfbid032vMLT55CD812CqtpyBxK7xUGgoxr3t7bEtG7k7dusQC8Uuh1LEpxyMEX8y95kxEl?\\_cft\\_\\_\[0\]=AZXZrC9ba5V-bDg0SyfGmggWeqfyDMoVE0y2htjkLDo-lyVoiCjxEVWQKhqIH-aW0IGUD1FU8mVt1CalqvyRvgfiDNLRIIB2vzYs8EwqZEAjRhk4D94s1MJF17ctnxXp4SA0E1IApa\\_eNUOCI\\_poOIAv\\_K5G4SHd7Ob1U3bW-8iGWg&\\_tn=%20%2CP-R](https://www.facebook.com/ssmv.bhilai/posts/pfbid032vMLT55CD812CqtpyBxK7xUGgoxr3t7bEtG7k7dusQC8Uuh1LEpxyMEX8y95kxEl?_cft__[0]=AZXZrC9ba5V-bDg0SyfGmggWeqfyDMoVE0y2htjkLDo-lyVoiCjxEVWQKhqIH-aW0IGUD1FU8mVt1CalqvyRvgfiDNLRIIB2vzYs8EwqZEAjRhk4D94s1MJF17ctnxXp4SA0E1IApa_eNUOCI_poOIAv_K5G4SHd7Ob1U3bW-8iGWg&_tn=%20%2CP-R)





# Event Photographs-







**SHRI SHANKARACHARYA MAHAVIDYALAYA, JUNWANI, BHILAI**  
**DEPARTMENT OF COMPUTER SCIENCE**  
**EVENT REPORT**  
**Session – 2023-24**

**Name of Event:** Six days Workshop on Cyber Security and Cloud Computing  
**Day-1**

**Topic:** Introduction to Cyber Security and Cloud Computing

**Event Date:** 11/01/2024

**No. of Participants:** 55

First day guest Mr. Sudhanshu Bag who

the “Technical Head of Avish Educom” was delivered a lecture about cyber security and cloud computing. Mr. Bag talks about Cloud computing which is the on-demand availability of computer system resources, especially data storage and computing power. The topic include cloud venders like AWS, google cloud and Azure. More than 50 Students participates in this workshop. The student of BCA 1st hosted the whole event successfully. This session lasted more than two hours. Several questions were asked by the students during the session.

**OUTCOME** This workshops helps students to gain knowledge about cloud storage, cloud venders and different cloud services. They understand that how cloud computing is useful for companies for data storage. They also gain the knowledge about increasing cyber-attack and hacking which is most dangerous in today’s world.







## Photographs:-



## Enclosed event documents:-



## Facebook link:-

[https://m.facebook.com/story.php?story\\_fbid=pfbid02QZBDnBWvSyooHbFGp7kuJPM5m1zQTDtct1gojxawJgG3AWTUUDNjhteigQmTMvNl&id=100004090118833&mibextid=Nif5oz](https://m.facebook.com/story.php?story_fbid=pfbid02QZBDnBWvSyooHbFGp7kuJPM5m1zQTDtct1gojxawJgG3AWTUUDNjhteigQmTMvNl&id=100004090118833&mibextid=Nif5oz)





## Day-2

**Topic:** Load balancing and Auto scanning in Cloud Computing

**Event Date:** 12/01/2024

**No. of Participants:** 65

Facebook link :- <https://www.facebook.com/share/p/Vy58F3p8md1hgN6x/>

On Second day workshop, Mr. Sudhanshu Bag explains on the topic load balancing and Auto Scanning in cloud computing which is an essential technique used to distribute traffic and workloads to available servers. He also talks about the use of automated tools to identify and evaluate security weaknesses and flaws in a cloud environment. To make the point clear, he clarified with giving some examples during the session.

### Photograph:





## Enclosed event documents:-



## OUTCOME

Students achieve the knowledge of application load balancers, Network load balancers in this session. They learn that how cloud computing distributes workloads to ensure that no single machine is under loaded.





### **Day-3**

**Topic:** Full Stack Development

**Event Date:** 13/01/2024

**Time:** 10:30 am

**No. of Participants:** 41

Facebook Link:

<https://www.facebook.com/share/p/RYeLipCksywaYu1X/>

On Third day of workshop, Speaker Mr. Sudhanshu Bag give a brief introduction about the topic Full stack development that include designing, creating, testing, and deploying a complete web application. Mr. Sudhanshu Bag speaks about various technologies and tools, including front-end or back-end web development and data base development. During the session, participants were asked with several questions.

### **OUTCOME**

The conclusion that come across this event was that, students got the basic knowledge about web development that how websites and web applications are created.

**Photographs:-**

**Enclosed event documents:**





## Day-4

**Topic:** Cyber Security

**Event Date:** 15/01/2024

**Time:** 10:30 am

**No. of Participants:** 31

Facebook Link: <https://www.facebook.com/share/p/R9rgDbc41NFJFHDL/>

On 5th day workshop, our speaker Mr. Jayanto Mukhopadhyay ‘technical trainer Avish Educom’ give a brief introduction about the topic cyber security. Mr. Jayanto explains how cybercrime and cyber-attacks takes place in computing system or computer network with intent to cause damage. He discuss about cyber threats like Malware, backdoors, formjacking, phishing and cryptojacking. This topic includes different categories like network security, application security, operational security, cloud security and IOT security.

## OUTCOME





This workshop helps Students about the fact that cyber security plays an important role in today's generation to keep the private data and information safe.

### Photographs:-



### Enclosed event documents:-

Sl. No.	Name	Roll No.	Signature
1	Abhishek Singh	1111111111	[Signature]
2	Abhishek Singh	1111111111	[Signature]
3	Abhishek Singh	1111111111	[Signature]
4	Abhishek Singh	1111111111	[Signature]
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## Day-5

**Topic:** Cyber Security

**Event Date:** 16/01/2024

**Time:** 10:30 am

**No. of Participants:** 41

Facebook Link: - <https://www.facebook.com/share/p/NPGp2hzAncRXLduo/>

On 6th day of workshop, speaker Mr. Jayanto Mukhopadhyay ‘technical trainer Avish Educom’ speaks more about the topic cyber security. In this day he talks about the importance of cyber security and awareness of education. He also give information about ethical hackings and different types of hackers like black hat, white hat and gray hat hackers. Mr. jayanto mentioned at last that focus in keeping device free of threats and providing a security of using internet is an essential thing in today's world.

### OUTCOME

This session tells more about awareness like keeping personal information private and avoid sharing any personal data using internet. They also learnt that not only cyber security helps to secure information but also system from virus attack.





**Photographs:-**

**Enclosed event documents:-**



Sr	Name of Student	MOBILE NO.	COURSE	SEM
1	Savitri Singh	9100000000	BCA	1
2	Shruti Singh	9100000000	BCA	1
3	Shruti Singh	9100000000	BCA	1
4	Shruti Singh	9100000000	BCA	1
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50	Shruti Singh	9100000000	BCA	1







## Day-6

**Topic:** 3D Animation

**Event Date:** 17/01/2024

**Time :** 10:30 am

**No. of Participants :** 33

Facebook Link :

<https://www.facebook.com/ssmv.bhilai/posts/pfbid02WYUpmTTd6EEzskGT1CFT5ZBZtwH3dXDKYDDwZSba5GqYsZypx2xHLpnss7nrPb5zl>

On 6th day of workshop, Speaker Mr. Ravi Srivastava ‘Technical Trainer of Avish Educom’ speaks about software programs and tools used in creating 3D Animation that are widely used beyond these context. Mr. Ravi mentioned that from corporate ad campaigns to architectural modeling and medical research, 3D animation is used across many industries and for diverse purposes.

### OUTCOME

At the conclusion of the workshop, students can learnt difficult ideas in a more dynamic and visually appealing way by using 3D animations.





Photographs:-

Enclosed event



documents:-

## Boucher & Certificate

**Shri Shankaracharya Mahavidyalaya**  
Junwani, Bhilai

NAAC Re-accredited with 'W' Grade (CGPA-3.10)  
Department of Computer Science Presents

**6 days Workshop**  
ON  
**Cyber Security & Cloud Computing**

**Chief Patrons**  
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Shri Gangajali Educational Society, Bhilai  
Smt. Jaya Mishra (President)  
Shri Gangajali Educational Society, Bhilai

**Patron**  
Dr. Archana Jha  
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Dr. J. Durga Prasad Rao  
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Dr. Vinendra Kumar Singh  
Mrs. Preeti Sarthawanra

**Organizing Committee**  
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Mrs. Kavita Kachwaha  
Mrs. Madhuri Verma  
Ms. Jashon Kumr  
Ms. Meena Saha

From  
11 Jan, 2024 to 17 Jan, 2024

**Convener**  
Mr. Thakur Devraj Singh  
HOD  
Department of Computer Science



**SHRI SHANKARACHARYA MAHAVIDYALAYA**  
Junwani Bhilai Dist. Durg (C.G.) India

NAAC Re-accredited with 'A' Grade; an ISO 9001:2015 certified Institute  
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**6 days Workshop**  
on  
**Cyber Security & Cloud Computing**

Department of Computer Science

**Certificate**

This is to certify that Dr. Ms. Mr./Min. .... of ..... from  
.....  
has participated in 06 Days Workshop on Cyber Security & Cloud Computing from  
11 Jan, 2024 to 17 Jan, 2024.

Dr. J. Durga Prasad Rao  
Dean (Academics)

Dr. Archana Jha  
Principal

Mr. Thakur Devraj Singh  
HOD


