



## **S.A.S. GOVERNMENT DEGREE COLLEGE**

(AFFILIATED TO ADIKAVI NANNAYA UNIVERSITY, RAJAMAHENDRAVARAM)

Phone: [08818 252189](tel:08818252189), E-mail: [narayanapuram.jkc@gmail.com](mailto:narayanapuram.jkc@gmail.com)

NARAYANAPURAM, ELURU DISTRICT-534406



**Guest Lecture given by Arnav Polymer PVT LTD  
company Manager**

**Organized by Department of Physics on  
31.01.2026**



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NARAYANAPURAM, ELURU DISTRICT-534406



### **Minutes of Departmental Meeting on Guest Lecture**

The In Charge of the Department of Physics met in the principal's chamber under the chairperson ship of Dr K Vasudha at 01:15 PM on Dt : 28-01-2026 discussed and resolved as detailed here under.

After the through discussion on the agenda of conducting Guest lecture as per the departmental action plan, it was resolved to

1. Conduct a guest lecture on Career Guidance by Arnav Polymer company Director during the working days.
2. All logistical arrangements will be completed in advance.
3. Feedback will be collected and documented for future improvement.
4. Serve notice to the students well in advance for the enrolment into this course
5. Commence the course on the date fixed obtaining due permission from the chair.

Signatures of the faculty

Principal

## Permission Letter

30.01.2026  
Narayanapuram

To  
The Principal  
SAS Govt. Degree College  
Narayanapuram

Respected madam,

**Subject:** Request for Permission to Invite **Mr. Manoj Kumar Somkar for Guest Lecture on Career Guidance** and Valedictory Ceremony – Reg.

@@@@@

We respectfully request you to kindly grant permission to invite Mr. Manoj Kumar Somkar, Manager of Arnav Polymer Pvt. Ltd., as the Chief Guest for delivering a guest lecture on career Guidance and to preside over the valedictory ceremony of the certificate course organized by our department.

The guest lecture aims to provide students with industry insights, practical knowledge, and career guidance related to their field of study. The valedictory ceremony will mark the successful completion of the certificate course and the distribution of certificates to the participants.

We believe that the presence of an industry expert will greatly benefit our students by enhancing their understanding of real-world applications and motivating them towards career development.

We assure you that the programme will be conducted in an organized and disciplined manner under the guidance of faculty members.

We kindly request you to consider our application and grant permission for the same.

Thanking you.

Yours faithfully,

Dr B Venkatesulu Reddy  
Lecturer in Physics  
SAS GDC Narayanapuram



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**NARAYANAPURAM, ELURU DISTRICT-534406**



### **APPROVAL LETTER**

With reference to the request submitted for inviting Mr. Manoj Kumar Somkar, Manager of Arnav Polymer Pvt. Ltd., to deliver a guest lecture on Career Guidance and to preside over the valedictory ceremony of the certificate course, permission is hereby granted to conduct the programme.

The event may be organized as proposed. Necessary arrangements should be made for the smooth conduct of the programme. The concerned staff members are instructed to coordinate effectively and ensure that the programme is conducted in a disciplined and organized manner.

This approval is accorded in the interest of academic enrichment and student development.

Principal

SAS Govt. Degree College  
Narayanapuram

## **Brief Report on Guest Lecture**

A guest lecture was organized as part of the certificate course valedictory programme, where Mr. Manoj Kumar Somkar, Manager of Arnav Polymer Pvt. Ltd., was invited as the Chief Guest.

During his session, he emphasized that in the present competitive world, every student must develop essential skills along with academic knowledge. He highlighted the importance of communication skills, technical knowledge, problem-solving ability, and adaptability to succeed in today's job market.

He also provided valuable career guidance by explaining various opportunities available in different fields and advised students to focus on continuous learning and self-improvement. His speech motivated the students to prepare themselves for future challenges and career growth.

The session was highly informative and inspiring, leaving a positive impact on the students.

The department discussed inviting an expert from academia/industry to deliver the session. The speaker will focus on:

Career opportunities in the respective field

Industry expectations and required skills

Higher education options

Preparation strategies for placements and competitive exams

## **CV of the Guest**

SONKAR MANOJ KUMAR

About SONKAR MANOJ KUMAR

SONKAR MANOJ KUMAR is a director registered with Ministry of Corporate Affairs.

Their Director Identification Number (DIN) is 02702025. SONKAR MANOJ KUMAR is/has been associated with 3 companies.

Date of Appointment

ARNAV FISHERIES PRIVATE LIMITED Director 21-Jul-2009

ARNAV POLYMERS PRIVATE LIMITED Director 25-Aug-2010

EXPON POLYMERS PRIVATE LIMITED Director 15-Sep-2021

# Evidence:







## నారాయణపురం డిగ్రీ కళాశాలలో పీఎం ఉషా స్కీమ్ కింద 10 రోజుల పైథాన్ సర్టిఫికేట్ కోర్సు ముగింపు



పెన్ పవర్, ఉంగుటూరు, జనవరి 31: నారాయణపురంలోని శ్రీ అరవింద శతజయంతి ప్రభుత్వ డిగ్రీ కళాశాలలో పీఎం ఉషా స్కీమ్ లో భాగంగా విద్యార్థులకు నిర్వహించిన 10 రోజుల పైథాన్ సర్టిఫికేట్ కోర్సు శిక్షణ శనివారం విజయవంతంగా ముగిసింది. ఈ సందర్భంగా నిర్వహించిన ముగింపు సమావేశానికి కళాశాల ఇంచార్జ్ ప్రిన్సిపాల్ డి. రెడ్డయ్య అధ్యక్షత వహించారు.

ఈ కార్యక్రమంలో ఆయన మాట్లాడుతూ నారాయణపురం ప్రభుత్వ డిగ్రీ కళాశాల ద్వారా విద్యార్థులకు నాణ్యమైన, విలువైన విద్య అందించడమే లక్ష్యంగా పని చేస్తున్నామని తెలిపారు. ఇటువంటి శిక్షణా అవకాశాలను విద్యార్థులు సద్వినియోగం చేసుకొని భవిష్యత్తులో

మెరుగైన అవకాశాలను అందిపుచ్చుకోవాలని సూచించారు. ముఖ్య అతిథిగా హాజరైన ఆర్ నౌ గ్రూప్ ఆఫ్ కంపెనీల అధిపతి మనోజ్ కుమార్ సోంకార్ మాట్లాడుతూ ప్రతి వ్యక్తి పుట్టుకతోనే శక్తివంతుడేనని అన్నారు. ప్రపంచం శరవేగంగా మారుతున్న తరుణంలో, ప్రపంచ అవసరాలకు అనుగుణంగా విద్యార్థులు తమ ఆలోచన విధానాన్ని మార్చుకోవాల్సిన అవసరం ఉందన్నారు. కష్టపడి పని చేయడం ద్వారానే ప్రపంచంలో గొప్ప వ్యక్తులుగా ఎదగగలమని, నిరంతర శ్రమనే విజయానికి మూలమని తెలిపారు. స్నేహితులు ఏం చేస్తున్నారనే దానిపై కాకుండా, తమ ఆలోచనలు, అభిరుచులకు ప్రాధాన్యతనిచ్చి, ఇష్టమైన రంగాన్ని ఎంచుకుని నిబద్ధతతో పని చేస్తే విజయాలు సాధించవచ్చని ఆయన విద్యార్థులకు సూచించారు.

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S.No	Name of the student	Group	Signature
1	B Manasa	I B.Sc CS	
2	Ch Vani	I B.Sc CS	
3	G Pavan Nagaraju	I B.Sc CS	
4	G Ahith	I B.Sc CS	
5	I Jyothi Jagadeeswar	I B.Sc CS	
6	I Gayitri	I B.Sc CS	
7	K Lakshmi Kantam	I B.Sc CS	
8	K Jyothi Naga Bhanu Krishna	I B.Sc CS	
9	N Siri	I B.Sc CS	
10	P Sri ram	I B.Sc CS	
11	P Roshan Kumar	I B.Sc CS	
12	P Tamuja	I B.Sc CS	
13	T Jyothirmay	I B.Sc CS	
14	T Jhanavi Rama	I B.Sc CS	
15	V Ramya Sri	I B.Sc CS	
16	A Lokesh	II B.Sc CS	
17	E Siva	II B.Sc CS	
18	J Madhulatha	II B.Sc CS	
19	J Sai Santhosh	II B.Sc CS	
20	K Ganesh	II B.Sc CS	
21	K Tejaswini	II B.Sc CS	
22	K Deva Kishore	II B.Sc CS	
23	P Sai Kumar	II B.Sc CS	
24	S Bala Nageswari	II B.Sc CS	
25	Y V V Vijaya Lakshmi	II B.Sc CS	

Student Feedback Form – Guest Lecture & Certificate Course Valedictory

Guest: Mr. Manoj Kumar Somkar, Manager, Arnav Polymer Pvt. Ltd.

Date: \_\_\_\_\_

Class / Section: \_\_\_\_\_

Name of Student: \_\_\_\_\_

Instructions:

Tick (✓) the option that best reflects your opinion for each question.

S. No	Question	Excellent	Very Good	Good	Average	Below Average
1	Overall effectiveness of the lecture	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Clarity of concepts explained	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Relevance of career guidance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Motivation and inspiration provided	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Presentation and communication skills of the guest	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Interaction and opportunity to ask questions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Overall satisfaction with the session	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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NARAYANAPURAM, ELURU DISTRICT-534406



### **Minutes of Departmental Meeting on Guest Lecture**

The In Charge of the Department of Physics met in the principal's chamber under the chairperson ship of Dr K Vasudha at 01:15 PM on Dt : 23-03-2026 discussed and resolved as detailed here under.

After the through discussion on the agenda of conducting Guest lecture as per the departmental action plan, it was resolved to

1. Conduct a guest lecture on Basics of Superconductivity by Mr K Ajay Kumar, during the working days (28.03.2026).
2. All logistical arrangements will be completed in advance.
3. Feedback will be collected and documented for future improvement.
4. Serve notice to the students well in advance for the enrolment into this course
5. Commence the course on the date fixed obtaining due permission from the chair.

Signatures of the faculty

Principal

## PERMISSION LETTER FOR CERTIFICATE COURSE

23.03.2026  
Narayanapuram

From  
The In-charge,  
Department of Physics,  
SAS GDC, Narayanapuram.

To  
The Principal,  
SAS GDC, Narayanapuram.

Respected Madam,

Subject: Request for Permission to Conduct Guest Lecture on Basics of Superconductivity

I would like to seek your kind permission to organize a guest lecture on the topic “Basics of Superconductivity” for the benefit of our students.

The lecture is proposed to be conducted on 28th March 2026 in the department premises. The session aims to provide students with fundamental knowledge of superconductivity, its principles, and its applications in modern science and technology. It will greatly enhance their academic understanding and exposure to advanced concepts.

We plan to invite a qualified resource person with expertise in the subject to deliver the lecture. The program will include an interactive session to encourage student participation and clarify their queries.

We kindly request you to grant permission to conduct this guest lecture and make necessary arrangements for the same.

Thank you for your consideration.

Yours Faithfully,



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**NARAYANAPURAM, ELURU DISTRICT-534406**



### **APPROVAL LETTER**

With reference to the request submitted for inviting Mr. K Ajay Kumar, Lecturer in Physics GDC Eluru., to deliver a guest lecture on Basics of Superconductivity, permission is hereby granted to conduct the programme.

The event may be organized as proposed. Necessary arrangements should be made for the smooth conduct of the programme. The concerned staff members are instructed to coordinate effectively and ensure that the programme is conducted in a disciplined and organized manner.

This approval is accorded in the interest of academic enrichment and student development.

Principal

SAS Govt. Degree College  
Narayanapuram



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## **Departmental level activities for the academic year 2025-26** **DEPARTMENT OF PHYSICS**

Title of the activity: Guest Lecture by Mr K Ajay Kumar

Date : 28.03.2026

Name of the Resource person: Dr K Vasudha

No.of lecturers participated: 02

No.of students participated: 10

### **Brief report on the activity:**

Mr. Ajay Kumar began the lecture by explaining the concept of superconductivity. Superconductivity is a phenomenon in which certain materials exhibit zero electrical resistance and expel magnetic fields when cooled below a specific critical temperature. This unique property allows electric current to flow without energy loss.

The guest lecture by Mr. K. Ajay Kumar was highly insightful and enriched our understanding of superconductors. The session successfully bridged theoretical concepts with practical applications. It inspired students to explore advanced topics in physics and their technological implications.

## Report on Guest Lecture: Basics of Superconductors

Title: Guest Lecture on Basics of Superconductors

Speaker: Mr. K. Ajay Kumar

Date: [Insert Date]

Venue: [Insert Venue/College Name]

### Introduction

A guest lecture on the topic “Basics of Superconductors” was delivered by Mr. K. Ajay Kumar. The session aimed to provide fundamental knowledge about superconductivity, its principles, types, and real-world applications. The lecture was highly informative and helped students understand an advanced concept in physics in a simple and engaging manner.

### Overview of Superconductivity

Mr. Ajay Kumar began the lecture by explaining the concept of superconductivity. Superconductivity is a phenomenon in which certain materials exhibit zero electrical resistance and expel magnetic fields when cooled below a specific critical temperature. This unique property allows electric current to flow without energy loss.

### Key Concepts Discussed

The speaker covered several important topics, including:

**Critical Temperature ( $T_c$ ):** The temperature below which a material becomes superconductive.

**Zero Electrical Resistance:** Superconductors can conduct electricity without any loss of energy.

**Meissner Effect:** The expulsion of magnetic fields from a superconductor, demonstrating perfect diamagnetism.

Types of Superconductors:

Type I Superconductors

Type II Superconductors

**High-Temperature Superconductors:** Materials that become superconductive at relatively higher temperatures compared to conventional ones.

Applications of Superconductors

Mr. Ajay Kumar highlighted various practical applications of superconductors, such as:

Magnetic Resonance Imaging (MRI) machines

Maglev (magnetic levitation) trains

Particle accelerators

Power transmission systems

Quantum computing

These applications demonstrate the importance of superconductors in modern technology and research.

### Advantages and Challenges

The lecture also discussed the benefits and limitations of superconductors:

Advantages:

No energy loss during transmission

High efficiency

Strong magnetic field generation

Challenges:

Requirement of extremely low temperatures

High cost of cooling systems

Material limitations

Conclusion

The guest lecture by Mr. K. Ajay Kumar was highly insightful and enriched our understanding of superconductors. The session successfully bridged theoretical concepts with practical applications. It inspired students to explore advanced topics in physics and their technological implications.

<b>Profile of Lecturer, Department of PHYSICS</b>					
1	Name	KANCHARLA AJAY KUMAR			
2	Designation	PHYSICS			
3	Experience in years	24			
4	Educational Qualification MSc				
Sl No	Year	Course	Board/University	Division	
	1993	MSc	A.U.	FIRST	
5	Date of first appointment and Cadre		31-08-1998. Junior Lecturer		Mobile Number
6	Mode of appointment		APPSC		9493474612
7	Date of joining in the present cadre		18-07-2005		Email ID
8	Date of joining in the present station		03-10-2021		ajaykumarkancharla5@gmail.com
9	Date of Retirement		01-04-2029		
10	Orientation Course/s attended				
S.No	Name of the Course	From	To	University/Institution	Online/Offline
	OC	27-10-2006	23-11-2006	UOH.HYD	OFFLINE
11	Refresher Course/s attended- Nil				
S.No	Name of the Course	From	To	University/Institution	Online/Offline
12	FDPs attended : 02				
Sl No	Title of the program	From	To	University/Institution	Online/Offline
	Criteria for	21/02/2022	28/02/2022	SKBR GDC,	ONLINE




	NAAC accreditation			Macherla	
	Content Development	7/6/22	14/6/22	APCCE.	ONLINE
13	No. of Short Term Courses attended : NIL				
14	Seminars/Workshops/Conferences attended: 03				
	State				
	National	02			
	International	01			
15	Papers presented in Seminars/Conferences				
	State	NIL			
	National	NIL			
	International	NIL			
16	No. of books	NIL			
17	No. of chapters in edited books	NIL			
18	Awards, if any	NIL			
19	Member of BoS of 02				
	1 SRR & CVR . VIJAYAWADA				
	2 SVRM College, NAGARAM				
	3				
20	Other responsibilities and achievements :				
	VICE- PRINCIPAL				

Student list

S.No	Name of the student	Group	Signature
1	A Lokesh	II B.Sc CS	
2	E Siva	II B.Sc CS	
3	J Madhulatha	II B.Sc CS	
4	J Sai Santhosh	II B.Sc CS	
5	K Ganesh	II B.Sc CS	
6	K Tejaswini	II B.Sc CS	
7	K Deva Kishore	II B.Sc CS	
8	P Sai Kumar	II B.Sc CS	
9	S Bala Nageswari	II B.Sc CS	
10	Y V V Vijaya Lakshmi	II B.Sc CS	



Chebrole Khandrika, Andhra Pradesh,  
India 

Rcc3+hcg, Narayanapuram, Chebrole Khandrika, Andhra Pradesh  
534406, India


Lat 16.821633° Long 81.403847°

Saturday, 28/03/2026 03:59 PM GMT +05:30

GPS Map Camera

Google



Chebrole Khandrika, Andhra Pradesh,  
India 

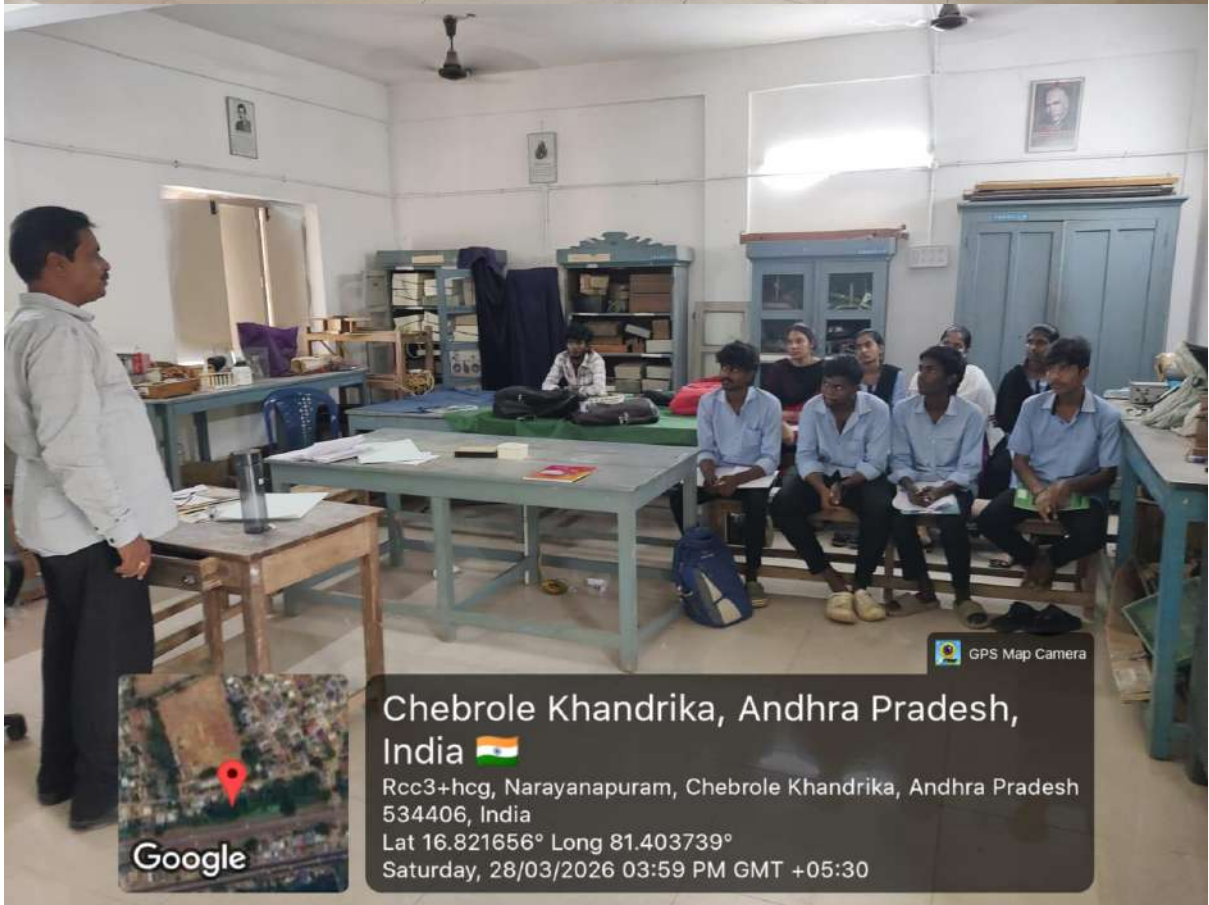
Rcc3+hcg, Narayanapuram, Chebrole Khandrika, Andhra Pradesh  
534406, India

Lat 16.821645° Long 81.403831°

Saturday, 28/03/2026 03:58 PM GMT +05:30

GPS Map Camera

Google



## STUDENT FEEDBACK FORM

Guest Lecture on “Basics of Superconductivity”

Date: 28-03-2026

Name (Optional): \_\_\_\_\_

Class/Year: \_\_\_\_\_

Please tick (✓) the appropriate option

S.No	Feedback Questions	Excellent	Very Good	Good	Average	Below Average
1	Clarity of the presentation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Knowledge of the resource person	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Relevance of the topic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Organization of the lecture	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Interaction and engagement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Usefulness of the lecture	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Audio/visual aids and presentation materials	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	Overall quality of the session	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>