



ST. JOSEPH'S DEGREE COLLEGE

SUNKESULA ROAD, KURNOOL - 518004



PRACTICAL EXPOSURE TO PHYSICS AND ELECTRONICS - "ARDUINO UNO BOARD"

Atal School linkages at Indira Gandhi Municipal
Memorial High School (IGMMHS), A-Camp,
Kurnool - 518004



DATE: 25/08/2025

TIME: 12:00 Noon to 4:00 PM

ORGANIZED BY:

ENTREPRENUERSHIP DEVOLOPMENT CELL
IN COLLABARATION WITH INSTITUTIONS'S
INNOVATION COUNCIL AND ELECTRONICS
DEPARTMENT



St. JOSEPH'S DEGREE COLLEGE

Sunkesala Road, Kurnool – 518 004. A.P.

(Affiliated to Rayalaseema University, Kurnool)

Email id: sjcknl@yahoo.com; website: sjcknl@edu.in; Phone: 08518 226268



22.08.2025

To

The Principal,
Indira Gandhi Memorial Municipal High School,
A – Camp,
Kurnool.

Respected Sir/Madam

Greetings of the day, at the outset we thank for your positive response on the phone call, towards "ATAL School Linkage with Institution's Innovation Council, Higher Education Institutions Program". We intend to organize a **Practical exposure to Physics and Electronics-"Arduino-UNO-Board"** in the Atal Tinkering Lab at your school on 25.08.2025. We strongly feel that this program would leave an impact in the areas of Entrepreneurship and Innovation in the young minds and it would be of great help in developing a sustainable ecosystem. We are looking forward for a similar program in the following academic year leading to a symbiotic growth.

Thanking you

Shanellian

Principal
St. Joseph's Degree College
Sunkesala Road, KURNOOL

With regards

R. Prasad

R. Prasad
Convener

Institution's Innovation Council
St Joseph's Degree College
Kurnool

INDIRA GANDHI MEMORIAL MUNICIPAL CORPORATION HIGH SCHOOL,
A. CAMP, KURNOOL

To

The Principal,
St. Joseph's Degree College,
Sunkesula road,
Kurnool.

Date:25/08/2025,
Kurnool.

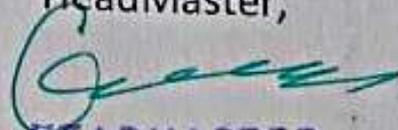
Respected Madam,

Greetings of the day ,We are happy to be a part of "OUTREACH PROGRAM" with Institution's Innovation Council, Higher Education Institutions Program and we intend to organize an Awareness of Practical exposure to Physics and Electronics Arduino UNO Board on 25-08-2025 in the ATAL Tinkering Lab at the school. This program is as St.Josephs degree college,sunkesula road,kurnool.We strongly feel the program an impact in the areas of Entrepreneurship and innovation in the young minds and also developing a sustainable ecosystem, also look forward for a successful similar program in the following academic year leading to a symbiotic growth.

Thanking you sir,

With regards,

HeadMaster,


HEADMASTER
I.G.M. MPL. CORP. H.S
A-Camp, KURNOOL



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PRACTICAL EXPOSURE TO PHYSICS AND ELECTRONICS - "ARDUINO UNO BOARD"

Program Report:

The Institution's Innovation Council in collaboration with the ED Cell organized an exceptional hands-on workshop on Health Monitoring System using Arduino Uno Board at **Indira Gandhi Municipal Memorial High School, A-camp of Kurnool District**. With 05 EDC students and 50 enthusiastic school children participating, the program successfully bridged theoretical concepts with practical applications in biomedical engineering and embedded systems. The EDC students brought comprehensive teaching aids including circuit diagrams, sensor modules, and working Arduino prototypes to demonstrate real-time health monitoring technologies. The school children participated with remarkable curiosity, observing how various sensors measure vital signs like heart rate, temperature, and pulse, and were genuinely amazed by the integration of electronics with healthcare applications. This transformative workshop effectively inspired young minds to explore the exciting field of technology.

Date: 25/08/2025

Time: 12:00 Noon to 4:00PM

Students participated: 05

School children participated: 50

Faculty attended: Mr. B.T. SUBASHCHANDRA NAIDU,
Dr. V.SURESH BABU

Program Objectives:

- 1.To provide practical understanding of health monitoring systems and Arduino-based embedded programming.
- 2.To encourage innovative thinking and problem-solving skills through biomedical technology experiments.
- 3.To develop interest in medical technology by linking theoretical concepts with real-world healthcare applications.

Program Outcomes:

- 1.Applied theoretical knowledge of sensors and microcontrollers to solve healthcare monitoring challenges.
- 2.Promoted creativity and innovation by engaging in health monitoring system projects.
- 3.Students gained confidence in handling Arduino boards, sensors, and biomedical monitoring equipment.
- 4.Developed teamwork and analytical skills through collaborative health technology demonstrations.



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GPS Map Camera



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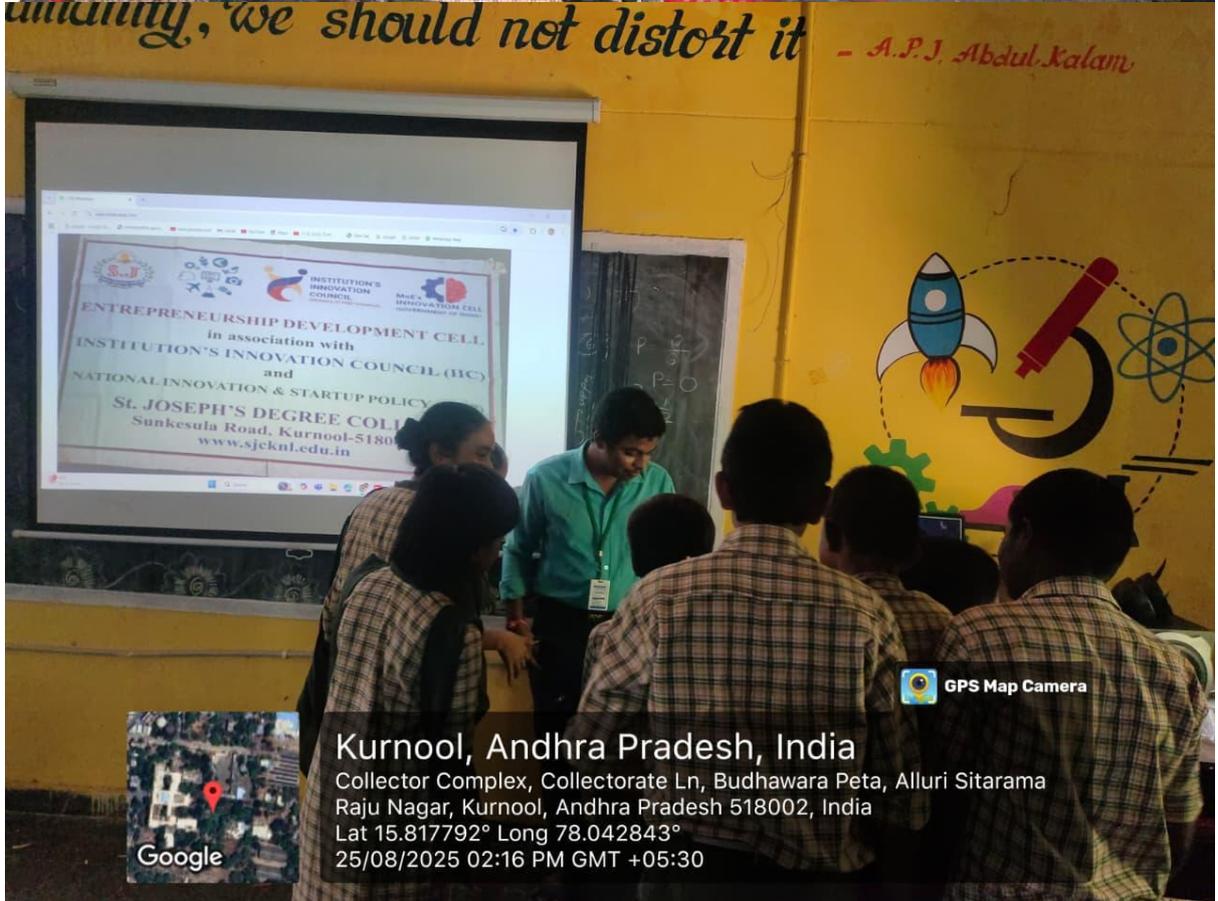
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Kurnool, Andhra Pradesh, India

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Kurnool, Andhra Pradesh, India

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... a beautiful gift to humanity, we should not distort it - A.P.J.



 GPS Map Camera



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