

Details of collaborative activities for research, faculty exchange, student exchange, internship, on-the-job training, project work, etc. during the year 2022-23

## **Department of Physics**



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## CERTIFICATE

This is to certify that **Mr. ABHILASH M U, 3<sup>rd</sup> Year B.Sc Physics Instrumentation** student of **Maharaja's College, Ernakulam, Kerala 682 011**, has successfully completed his **Internship** from 15.05.2023 to 29.05.2023 in **KELTRON CONTROLS AROOR, A Division of Kerala State Electronics Development Corporation Limited (K.S.E.D.C.LTD)**, in partial fulfillment of his B.Sc Physics Instrumentation studies.

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We wish all success in his Future endeavor



**ANIL KUMAR K.V**

GENERAL MANAGER



29.05.2023

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**DGM (T&D)-CERT-IP/285/2023-24**

**29.05.2023**

## CERTIFICATE

Certified that **Mr. ADIL ASHARAF** student of B.Sc in Physics & instrumentation at Maharajas College Ernakulam has successfully completed his Internship in FACT, Udyogamandal during the period from 15.05.2023 to 28.05.2023.

We wish the student all the best in his future endeavors.

**Abraham P Varghese**  
Internship Co-ordinator



**Antony K D**  
Engineer (Trg&Dev)



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For FACT- CD EMS

For FEDO QMS

For FEW QMS



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This is to certify that **Ms. ADITHYA BIJOY**, 3<sup>rd</sup> Year B.Sc Physics Instrumentation student of **Maharaja's College, Ernakulam, Kerala 682 011** has successfully completed her *Internship* from 15.05.2023 to 29.05.2023 in **KELTRON CONTROLS AROOR**, A Division of *Kerala State Electronics Development Corporation Limited (K.S.E.D.C.LTD)*, in partial fulfillment of her B.Sc Physics Instrumentation studies.

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29.05.2023

**CERTIFICATE**

Certified that **Mr. BIMALKRISHNA B** student of B.Sc in Physics & instrumentation at Maharajas College Ernakulam has successfully completed his **Internship** in FACT, Udyogamandal during the period from 15.05.2023 to 28.05.2023.

Abraham P Varghese  
Internship Co-ordinator



Antony K D  
Engineer (Trg&Dev)



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DGM (T&D)-CERT-IP/288/2023-24

29.05.2023

### CERTIFICATE

Certified that **Ms. FATHIMA P T** student of B.Sc in Physics & instrumentation at Maharajas College Ernakulam has successfully completed her **Internship** in FACT, Udyogamandal during the period from 15.05.2023 to 28.05.2023.

We wish the student all the best in her future endeavors.

Abraham P Varghese  
Internship Co-ordinator



Antony K D  
Engineer (Trg&Dev)



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**DGM (T&D)-CERT-IP/289/2023-24**

**29.05.2023**

**CERTIFICATE**

Certified that **Ms. GELEENA SABU T** student of B.Sc in Physics & instrumentation at Maharajas College Ernakulam has successfully completed her **Internship** in FACT, Udyogamandal during the period from 15.05.2023 to 28.05.2023.

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**Abraham P Varghese**  
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**DGM (T&D)-CERT-IP/290/2023-24**

**29.05.2023**

### **CERTIFICATE**

Certified that **Mr. JOEL SHAJI** student of B.Sc in Physics & instrumentation at Maharajas College Ernakulam has successfully completed his Internship in FACT, Udyogamandal during the period from 15.05.2023 to 28.05.2023.

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This is to certify that **Mr. KALIDAS K V**, 3<sup>rd</sup> Year B.Sc Physics Instrumentation student of **Maharaja's College, Ernakulam, Kerala 682 011**, has successfully completed his *Internship* from 15.05.2023 to 29.05.2023 in **KELTRON CONTROLS AROOR**, A Division of *Kerala State Electronics Development Corporation Limited (K.S.E.D.C.LTD)*, in partial fulfillment of his B.Sc Physics Instrumentation studies.

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We wish all success in his Future endeavor



**ANIL KUMAR K.V**

GENERAL MANAGER



29.05.2023



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## CERTIFICATE

This is to certify that Ms. MALAVIKA MANOJ, 3<sup>rd</sup> Year B.Sc Physics Instrumentation student of Maharaja's College, Ernakulam, Kerala 682 011 has successfully completed her *Internship* from 15.05.2023 to 29.05.2023 in **KELTRON CONTROLS AROOR, A Division of Kerala State Electronics Development Corporation Limited (K.S.E.D.C.LTD)**, in partial fulfillment of her B.Sc Physics Instrumentation studies.

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This is to certify that Mr. MOHAMMED RINSHAD P R, 3<sup>rd</sup> Year B.Sc Physics Instrumentation student of Maharaja's College, Ernakulam, Kerala 682 011, has successfully completed his *Internship* from 15.05.2023 to 29.05.2023 in **KELTRON CONTROLS AROOR, A Division of Kerala State Electronics Development Corporation Limited (K.S.E.D.C.LTD)**, in partial fulfillment of his B.Sc Physics Instrumentation studies.

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**DGM (T&D)-CERT-IP/291/2023-24**

**29.05.2023**

**CERTIFICATE**

Certified that **Mr. NAVEEN N** student of B.Sc in Physics & instrumentation at Maharajas College Ernakulam has successfully completed his **Internship** in FACT, Udyogamandal during the period from 15.05.2023 to 28.05.2023.

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**CERTIFICATE**

This is to certify that Mr. VIVEK K M, 3<sup>rd</sup> Year B.Sc Physics Instrumentation student of Maharaja's College, Ernakulam, Kerala 682 011, has successfully completed his *Internship* from 15.05.2023 to 29.05.2023 in **KELTRON CONTROLS AROOR**, A Division of *Kerala State Electronics Development Corporation Limited (K.S.E.D.C.LTD)*, in partial fulfillment of his B.Sc Physics Instrumentation studies.

He has undergone his study in our various Strategic Business Units (SBU)

(1) Control & Instrumentation Group (CIG), (2) Strategic Services Group (STSG), (3) Pneumatic Business Group (PNG), (4) Information Technology & Coastal Security Services group (ITG & CSSG) & Common Services Groups (CSG) and Quality Assurance Department (QA).

We wish all success in his Future endeavor



**ANIL KUMAR K.V**

**GENERAL MANAGER**



**29.05.2023**



**KELTRON CONTROLS**  
Aror P.O, Alappuzha District  
Kerala, India, Pin:688 534  
E-mail : kelkca@keltron.org

Phone :  
+91 478 2830700  
+91 478 2872323  
Fax : +91 478 2872322

## CERTIFICATE

This is to certify that Mr. YADHU KRISHNAN C V, 3<sup>rd</sup> Year B.Sc Physics Instrumentation student of Maharaja's College, Ernakulam, Kerala 682 011, has successfully completed his *Internship* from 15.05.2023 to 29.05.2023 in **KELTRON CONTROLS AROOR, A Division of Kerala State Electronics Development Corporation Limited (K.S.E.D.C.LTD)**, in partial fulfillment of his B.Sc Physics Instrumentation studies.

He has undergone his study in our various Strategic Business Units (SBU)

(1) Control & Instrumentation Group (CIG), (2) Strategic Services Group (STSG), (3) Pneumatic Business Group (PNG), (4) Information Technology & Coastal Security Services group (ITG & CSSG) & Common Services Groups (CSG) and Quality Assurance Department (QA).

We wish all success in his Future endeavor



**ANIL KUMAR K.V**

GENERAL MANAGER



29.05.2023

GOVT. HIGHER SECONDARY SCHOOL, EDAKKARA,  
EDAKKARA P.O. MALAPPURAM- 679331

Ph. 04931-275395 E- Mail: [ghssedakkara@yahoo.in](mailto:ghssedakkara@yahoo.in) School Code: 11137

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## CERTIFICATE OF INTERNSHIP

This internship program certificate is proudly awarded to

**AJNA HAKEEM**

For her outstanding completion of the internship program at Government Higher Secondary school, Edakkara, Malappuram Dist., Kerala for the role of Physics Lab Assistant under the guidance of Fasla.P, Head of the Physics department

From 25/04/2023 to 15/05/2023 (15 days).

She is found to be hardworking, sincere and diligent. We wish her all the best for future.

EDAKKARA  
15/05/2023

HOD Fasla



Narayana B.  
PRINCIPAL

**NARAYANA B.**  
PRINCIPAL (PEN No.453615)  
GHSS EDAKKARA (11137)  
Malappuram Dist - 679331



GSTIN:32AVNPD4328E1ZY  
PAN: AVNPD4328E

Service Tax No. AVNPD4328ESD001

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Market Road, Bank Jn., Aluva - 683 101

Mob : 9946555186, E-mail:wirelessaluva@gmail.com

**SAMSUNG**

Date.....

25-05-2023

TO WHOMSOEVER IT MAY CONCERN

## CERTIFICATE OF INTERNSHIP

This is to certify that the student named Ms.Aleena Augustine from Maharajas College, Ernakulum belonging to MSc.Physics (Reg no: 22680003) has successfully completed the internship on

"Smartphone Physics" during 10-05-2023 to 25-05-2023.

We would like to appreciate the sincere efforts showcased by her to learn, adapt and implement the skills learnt at the internship site.

We wish all the very best for all her future endeavours.

*Aleena Augustine*

**WIRELESS WORLD**  
1st Floor, Palupallath Building  
Opp. Fedreal Bank H.O.  
Market Road, Aluva - 683 101



**GOVERNMENT VICTORIA COLLEGE, PALAKKAD**  
Kerala, India, PIN 678001

Affiliated to the University of Calicut

NAAC Accreditation - A Grade (3.2, Fourth Cycle)

NIRF Rank – (100-150 Band)

Phone: 0491 2576773 (Office) | Mobile: +91 8281716773 | Email: victoriapkd@gmail.com | Web: www.gvc.ac.in



No. A8/Misc./2023

Date 14/06/2023

**CERTIFICATE OF INTERNSHIP**

This is to certify that Ms. Anjali M D, MSc Physics I<sup>st</sup> semester student of the Department of Physics, Maharaja's College, Ernakulam, Kerala, India, PIN 68201, has successfully completed an internship at the Department of Physics, Government Victoria College, Palakkad, Kerala, India, PIN 678001 under the guidance of Dr. Gopikrishna M, Assistant Professor of Physics, Department of Physics, Government Victoria College, Palakkad, Kerala, India, PIN 678001 in the capacity of an intern.

Duration of Internship: 10-04-2023 to 24-05-2023 (45 Days)

Ms. Anjali M D has put in hard work, enthusiasm, and commitment to excellence during the internship period.

Place: Palakkad

Date: 14/06/2023

*M. Anjali* 15.6.23

PRINCIPAL  
Principal  
GOVT. VICTORIA COLLEGE  
PALAKKAD





**GOVERNMENT VICTORIA COLLEGE, PALAKKAD**  
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No. A8/Misc./2023

Date 14/06/2023

**CERTIFICATE OF INTERNSHIP**

This is to certify that Ms. Athira Das M, MSc Physics I<sup>st</sup> semester student of the Department of Physics, Maharaja's College, Ernakulam, Kerala, India, PIN 68201, has successfully completed an internship at the Department of Physics, Government Victoria College, Palakkad, Kerala, India, PIN 678001 under the guidance of Dr. Gopikrishna M, Assistant Professor of Physics, Department of Physics, Government Victoria College, Palakkad, Kerala, India, PIN 678001 in the capacity of an intern.


Duration of Internship: 10-04-2023 to 24-05-2023 (45 Days)

Ms. Athira Das M has put in hard work, enthusiasm, and commitment to excellence during the internship period.

Place: Palakkad

Date: 14/06/2023



  
14.6.23  
PRINCIPAL  
Govt. Victoria College  
PALAKKAD



**ITBG - Knowledge Services Group**

GSTIN : 32AABCK1319E4Z5

Phone: 0471-2724765 || Helpline No: +91 9188665545 || E-mail: iteg@keltron.org || Website Link : ksg.keltron.in


KSG/53/INTP/23-07/L1886

19.07.2023

**CERTIFICATE**

Certified that the Student has completed the **Internship Program** conducted at KELTRON as per the particulars given below:

Name of the Student	Ms. MIDHU B KRISHNA
Name & Address of the College/Institution at which the Student is Studying	Maharaja's College, Park Avenue Rd, Opp. Subhash Bose Park, Marine Drive, Ernakulam, Kerala 682011
University/Board, which the Institution is Affiliated to	Mahatma Gandhi University
Branch/Discipline of Study	M. Sc. Physics
Student's Registration No.	22680008
Semester / Year of Study	2 <sup>nd</sup> Semester
Name & Address of the Institution/Centre where the Internship Program was conducted	Keltron Knowledge Centre (53), Tower E-Paass, Behind Govt. Hospital, Adoor, Pathanamthitta, Kerala
Online Portal Registration No.	KI028791
Roll No./Register No.	K2353I120001
Program Category	INTERNSHIP
Period & Duration of the Program	15.05.2023 to 28.05.2023 ( 2 Weeks)
Area of Exposure	<ul style="list-style-type: none"><li>• Introduction to Computer Networking, Networking Terminologies, Networking Devices, Protocols. Basic LAN Configuration, Networking Commands, Workgroup, DNS, ADDS, DHCP Services</li><li>• LINUX Installation, Add or Remove Services, Installation of LINUX Packages, LINUX Commands, Etc.</li><li>• Network Configuration in LINUX(IP Configuration)</li></ul>
Status	COMPLETED SUCCESSFULLY

  
Authorized Signatory  
(Knowledge Services)



Temp No. KSG/INTP/Type- 1/2 01 04 2019

Regd. Office : Keltron House, Vellayambalam, Thiruvananthapuram, Kerala State, India. Pin:695 033, Tel: 0471-4094444

Doc. No : KSG/LH/07-19/007(5000)

Visit us at our website :<http://www.keltron.org>





**GOVERNMENT VICTORIA COLLEGE, PALAKKAD**  
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No. A8/Misc./2023

Date 14/06/2023

**CERTIFICATE OF INTERNSHIP**

This is to certify that **Ms. Nayana Madhu Deshpande**, MSc Physics 1<sup>st</sup> semester student of the Department of Physics, Maharaja's College, Ernakulam, Kerala, India, PIN 68201, has successfully completed an internship at the Department of Physics, Government Victoria College, Palakkad, Kerala, India, PIN 678001 under the guidance of **Dr. Gopikrishna M**, Assistant Professor of Physics, Department of Physics, Government Victoria College, Palakkad, Kerala, India, PIN 678001 in the capacity of an intern.


Duration of Internship: 10-04-2023 to 24-05-2023 (45 Days)

**Ms. Nayana Madhu Deshpande** has put in hard work, enthusiasm, and commitment to excellence during the internship period.

Place: Palakkad

Date: 14/06/2023



  
15.6.23  
**PRINCIPAL**  
*Principal*  
**GOVT. VICTORIA COLLEGE**  
**PALAKKAD**



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No. A8/Misc./2023

Date 14/06/2023

## CERTIFICATE OF INTERNSHIP

This is to certify that **Ms. Remya Rameshkumar**, MSc Physics 1<sup>st</sup> semester student of the Department of Physics, Maharaja's College, Ernakulam, Kerala, India, PIN 68201, has successfully completed an internship at the Department of Physics, Government Victoria College, Palakkad, Kerala, India, PIN 678001 under the guidance of **Dr. Gopikrishna M**, Assistant Professor of Physics, Department of Physics, Government Victoria College, Palakkad, Kerala, India, PIN 678001 in the capacity of an intern.


Duration of Internship: 10-04-2023 to 24-05-2023 (45 Days)

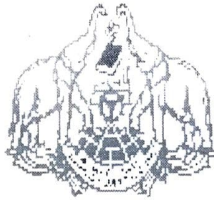
**Ms. Remya Rameshkumar** has put in hard work, enthusiasm, and commitment to excellence during the internship period.

Place: Palakkad

Date: 14/06/2023



  
14.6.23  
**PRINCIPAL**  
GOVT. VICTORIA COLLEGE  
PALAKKAD



Phone

Office : 2532026  
Secretary : 2540170  
Chairman: 2532380

## KALAMASSERY MUNICIPALITY

Changampuzha Nagar P O, Ernakulam District

Karala, Pincode : 682 033

GST IN: 32AAALK1477H3Z

E-mail : secretarykalamassery@gmail.com, Website : www.kalamasserymunicipality.in

G1/18233/15

Date: 20/06/2023

**TO WHOMSOEVER IT MAY CONCERN**

### **INTERNSHIP CERTIFICATE**

This is to certify that **Salu Sasi, 1<sup>st</sup> year MSc Physics Student of Maharaja's College, Ernakulam** has completed his intership at Kalamassery Municipality for the period from 22/05/2023 to 03/06/2023.

He was very diligent and honest in his area of training and has successfully complelted the training and good in co-ordination with others and capable to undertake responsibilities independently.

His Character was good to the best of my knowledge.

**Secretary**  
Kalamassery Municipality





# BeeOrganized Event Management LLP

## Certificate of Completion

Date: 15/05/2023

### To Whom This May Concern

This is to certify that Shalu Marya has successfully completed a 20-day internship as a social media marketer with BeeOrganized. During her internship(April 19 - May 8), she was trained on various aspects of social media, lead generation, Google Adsense, and paid advertising.

Shalu demonstrated a strong work ethic and a willingness to learn throughout her internship. She effectively applied her newly acquired knowledge to assist the organization in improving its social media presence and generating leads. Her contributions were valuable to the team, and we appreciate her efforts.

We wish Shalu all the best in her future endeavors and are confident that she will excel in her career.

Pavan Singh C

Director | Beeorganized



+91 - 7619602227  
+91 - 7619602225



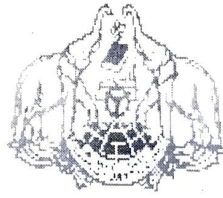
info@beeorganized.in  
pavan@beeorganized.in



No.60, Next to Waterwoods apartments,  
Ramagondanahalli Whitefield, Bengaluru,  
Karnataka, 560066







Phone

Office : 2532026  
Secretary : 2540170  
Chairman: 2532380

## KALAMASSERY MUNICIPALITY

Changampuzha Nagar P O, Ernakulam District

Karala, Pincode : 682 033

GST IN: 32AAALK1477H3Z

E-mail : secretarykalamassery@gmail.com, Website : www.kalamasserymunicipality.in

G1/18233/15

Date: 20/06/2023

**TO WHOMSOEVER IT MAY CONCERN**

### **INTERNSHIP CERTIFICATE**

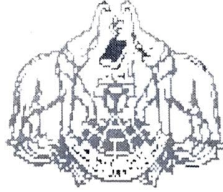
This is to certify that **Sona Rajesh, 1<sup>st</sup> year MSc Physics Student of Maharaja's College, Ernakulam** has completed her intership at Kalamassery Municipality for the period from 22/05/2023 to 03/06/2023.

She was very diligent and honest in her area of training and has successfully completed the training and good in co-ordination with others and capable to undertake responsibilities independently.

Her Character was good to the best of my knowledge.

**Secretary**  
Kalamassery Municipality





Phone

Office : 2532026  
Secretary : 2540170  
Chairman: 2532380

## KALAMASSERY MUNICIPALITY

Changampuzha Nagar P O, Ernakulam District

Karala, Pincode : 682 033

GST IN: 32AAALK1477H3Z

E-mail : [secretarykalamassery@gmail.com](mailto:secretarykalamassery@gmail.com), Website : [www.kalamasserymunicipality.in](http://www.kalamasserymunicipality.in)

G1/18233/15

Date: 20/06/2023

### TO WHOMSOEVER IT MAY CONCERN

### INTERNSHIP CERTIFICATE

This is to certify that **Vyshnav E P, 1<sup>st</sup> year MSc Physics Student of Maharaja's College, Ernakulam** has completed his intership at Kalamassery Municipality for the period from 22/05/2023 to 03/06/2023.

He was very diligent and honest in his area of training and has successfully completed the training and good in co-ordination with others and capable to undertake responsibilities independently.

His Character was good to the best of my knowledge.



**Secretary**  
Kalamassery Municipality