



# NATIONAL ENGINEERING COLLEGE

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.R. NAGAR, KOVILPATTI-628503

## Faculty Development Section

29.05.2023

### Circular

It is planned to organise a training programme on "Writing, Defence, and Implementation of a Grant Proposal" on June 2 and 3, 2023, for our selected faculty members. Dr. Rajiv K. Tayal, Advisor, DST, New Delhi, and Dr. R. Brakaspathy, Advisor, R&D, IIT Madras, will be the experts for the training programme. In this regard, the faculty members (list attached) are requested to attend the training programme without fail. Further, the faculty members are requested to come up with a project proposal for the programme.

Sl. No	Name	Designation
1.	Dr. S. Iyahraja	Professor/Mech
2.	Dr. R. Harichandran	Professor/ Mech
3.	Dr. P. Ramanan	Asso. Professor/Mech
4.	Dr. F. Michael Thomas Rex	Asso. Professor/ Mech
5.	Dr. W. Beno Wincy	Asst. Professor/Mech
6.	Dr. V. Gomathi	Professor & Head/CSE
7.	Dr. K. Mohaideen Pitchai	Professor/CSE
8.	Dr. S. Kalaiselvi	Asso. Professor/CSE
9.	Dr. J. Naskath	Asso. Professor/CSE
10.	Dr. T. S. Arun Samuel	Professor/ECE
11.	Dr. C. Balamurugan	Asso. Professor/ECE
12.	Dr. A. Saravana Selvan	Asst. Prof(Sr. Gr)/ECE
13.	Dr. R. V. Maheswari	Professor/EEE
14.	Dr. N. B. Prakash	Professor/EEE
15.	Dr. B. Vigneshkumar	Asst. Prof(Sr. Gr)/EEE
16.	Dr. M. Gengaraj	Asst. Prof(Sr. Gr)/EEE
17.	Dr. C. Chella Gifta	Asso. Professor/Civil
18.	Dr. V. Kannan	Asso. Professor/Civil
19.	Dr. R. Muthukumar	Professor/IT
20.	Dr. S. Chidambaram	Asst. Prof (Sr. Gr)/IT
21.	Dr. E. Ramachandran	Asst Prof(Sr. Gr)/S&H
22.	Dr. S. Cithiraikumar	Asst Prof(Sr. Gr)/S&H
23.	Dr. B. Annaraj	Asst Professor/S&H
24.	Dr. A. Nichelson	Asst Professor/S&H
25.	Dr. V. Ramasubbu	Asst Professor/S&H

Venue : Smart Class Room / Mech Dept.

Time : 09.00 AM TO 05.30 PM

  
FDS Coordinator

  
Sr. Dean (IFA)

  
PRINCIPAL

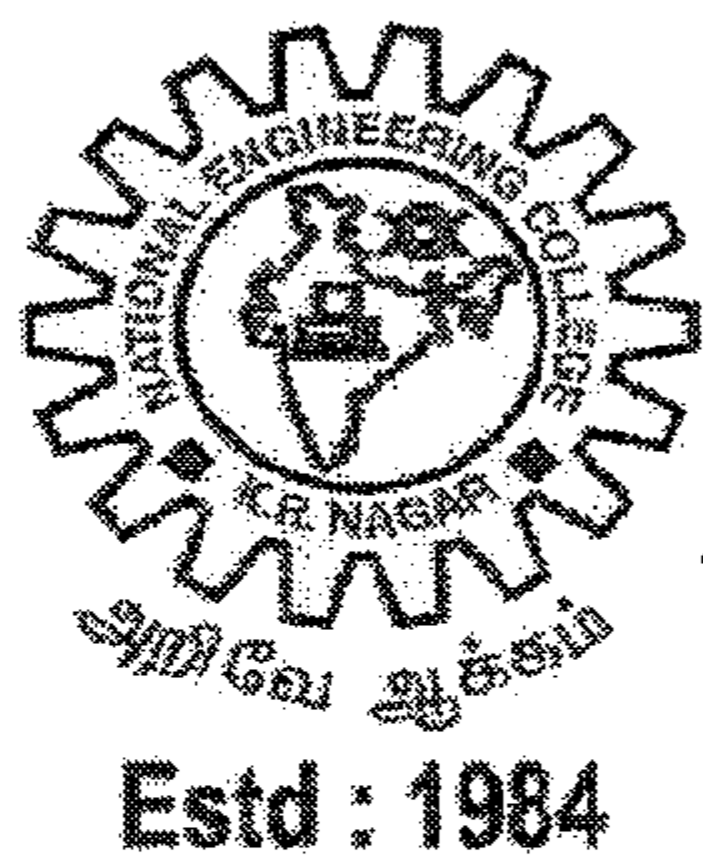
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The Director

Dean (Academic, R&D, TCP, I&E), All HODs, All Teaching Faculty Members

  
Dr. K. Kalidasa Murugavel, M.E. Ph.D.,  
PRINCIPAL  
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THOOTHUKUDI-DIST.





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**K.R. NAGAR, KOVILPATTI – 628 503**

## Faculty Development section

Sl. No	Name with Designation	Age	Research Area	No of SCI / Scopus Publications	No of Project proposal Submitted
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2.	Dr.R. Harichandran, Professor/Mech	39	Nano Composite	16	3
3.	Dr. P. Ramanan, Asso. Professor/Mech	47	Solar Energy Engineering	8	2
4.	Dr. F. Michael Thomas Rex, Asso. Prof/Mech	38	Vibration Analysis	8	2
5.	Dr. W.Beno Wincy, Asst. Professor/Mech	30	Biomass Gasification, Drying	10	2
6.	Dr. V. Gomathi, Professor & Head/CSE	47	Video Surveillance	20	7
7.	Dr. K. Mohaideen Pitchai, Professor /CSE	42	Cryptography in Network Security	13	2
8.	Dr. S. Kalaiselvi, Asso. Professor/CSE	43	Image Processing	2	3
9.	Dr. J. Naskath, Asso. Professor/CSE	38	Wireless Adhoc Networks	12	3
10.	Dr. T. S. Arun Samuel, Professor/ECE	42	Nanoscale Devices and Modeling Simulation	55	4
11.	Dr. C. Balamurugan, Asso. Professor/ECE	38	RF And Microwave communication	4	-
12.	Dr. A. Saravana Selvan, Asst. Prof (Sr. Grade)/ECE	43	Sensor Networks and Embedded system	6	2

**Dr. K. Kalidasa Murugavel, M.E., Ph.D.,**  
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13.	Dr. R. V. Maheswari, Professor/EEE	45	High Voltage	29	4
14.	Dr. N. B. Prakash, Professor/EEE	44	Medical Image Processing	20	3
15.	Dr. B. Vigneshwaran, Asst. Prof (Sr. Grade)/EEE	33	High Voltage	16	4
16.	Dr. M. Gengaraj, Asst. Prof (Sr. Grade)/EEE	35	Power Electronics & Drives	4	1
17.	Dr. C. Chella Gifta, Asso. Professor/CIVIL	44	Fiber Reinforced Composite	17	5
18.	Dr. V. Kannan, Asso. Professor/CIVIL	42	Concrete Technology and structural Engineering	22	3
19.	Dr. R. Muthukumar, Professor/IT	40	Networking	10	1
20.	Dr. S. Chidambaram, Asst. Prof (Sr. Grade)/IT	38	Data Analysis	5	1
21.	Dr. E. Ramachandran, Asst Prof(Sr. Grade)/S&H	39	Bio-inorganic Chemistry	17	3
22.	Dr. S. Chithiraikumar, Asst. Prof(Sr. Grade)/S&H	41	Bio-inorganic Chemistry	3	-
23.	Dr. B. Annaraj, Asst. Prof(Sr. Grade)/S&H	36	Bio-inorganic Chemistry	13	2
24.	Dr. A. Nichelson, Asst Prof(Sr. Grade)/S&H	38	Nanomaterials	9	2
25.	Dr. V. Ramasubbu, Asst. Professor/S&H	37	Nanomaterials	8	1

*U. K. P.*  
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NATIONAL ENGINEERING COLLEGE, K.R. NAGAR, KOVILPATTI – 628 503

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Estd : 1984

FACULTY DEVELOPMENT SECTION

Two days Training program on "Writing, Defense and Implementation of a Grant Proposal"

(02<sup>nd</sup> & 03<sup>rd</sup> June 2023)

Attendance Sheet

S. No	NAME WITH DESIGNATION	02/06/2023		03/06/2023	
		FN	AN	FN	AN
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2.	Dr.R. Harichandran, Prof/Mech				
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Convener

PRINCIPAL

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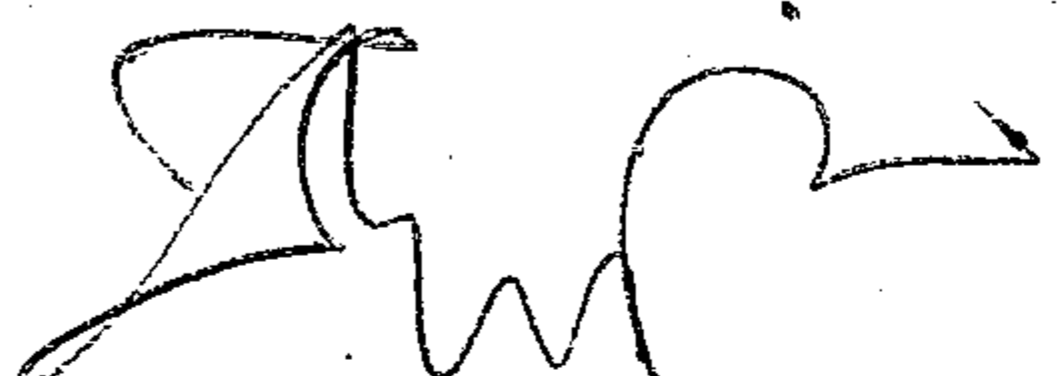
## WORKSHOP ON GRANT WRITING

(2-3 June 2023, NEC)

### Participant Feedback

1	Contents of the Program (Rating on Scale of 1 to 10)	9
2	Structure of the Program (Rating on Scale of 1 to 10)	8
3	Presentation & Delivery (Rating on Scale of 1 to 10)	8
4	Level of Engagement (Rating on Scale of 1 to 10)	9
5	Overall Utility (Rating on Scale of 1 to 10)	9
6	After the workshop - a) Do you feel better prepared to identify and structure the right research problem for your grant proposal. (Yes/No)	Yes
	b) Do you feel better informed and more confident to write and defend a research grant. (Yes/No)	Yes
7	Comments and Suggestions:  <i>Few case studies about recommended proposals and rejected proposals may be included in the workshop.</i>	

Participant Name:  
(Optional)

 (Dr. S. IYAHRAJA)



**Dr. K. Kalidasa Murugavel, M.E., Ph.D.,**  
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## WORKSHOP ON GRANT WRITING

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4	Level of Engagement (Rating on Scale of 1 to 10)	9
5	Overall Utility (Rating on Scale of 1 to 10)	9
6	After the workshop - a) Do you feel better prepared to identify and structure the right research problem for your grant proposal. (Yes/No)  b) Do you feel better informed and more confident to write and defend a research grant. (Yes/No)	Yes.  Yes
7	Comments and Suggestions:  Gave lots of tips & guidelines on R&D grant proposal writing & defending.	

Participant Name: *Dr. V. Gomathi, Prof & Head / CSE*  
(Optional)



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6	After the workshop - a) Do you feel better prepared to identify and structure the right research problem for your grant proposal. (Yes/No)	Yes
	b) Do you feel better informed and more confident to write and defend a research grant. (Yes/No)	Yes
7	Comments and Suggestions:  <i>This workshop is useful for me. Because, I have learned that what type of mistakes normally we are doing for preparing the proposal. So, it is useful for preparing the proposal and concentrate more on things in each stage.</i>	

Participant Name: **Dr. R. MUTHUKKUMAR**  
(Optional) *Professor / LT*



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	b) Do you feel better informed and more confident to write and defend a research grant. (Yes/No)	Yes
7	Comments and Suggestions:  The overall presentation was structured and delivered well. Most of the doubts were clarified during the session.	

Participant Name:  
(Optional)

*Dr. A. Nicholas*

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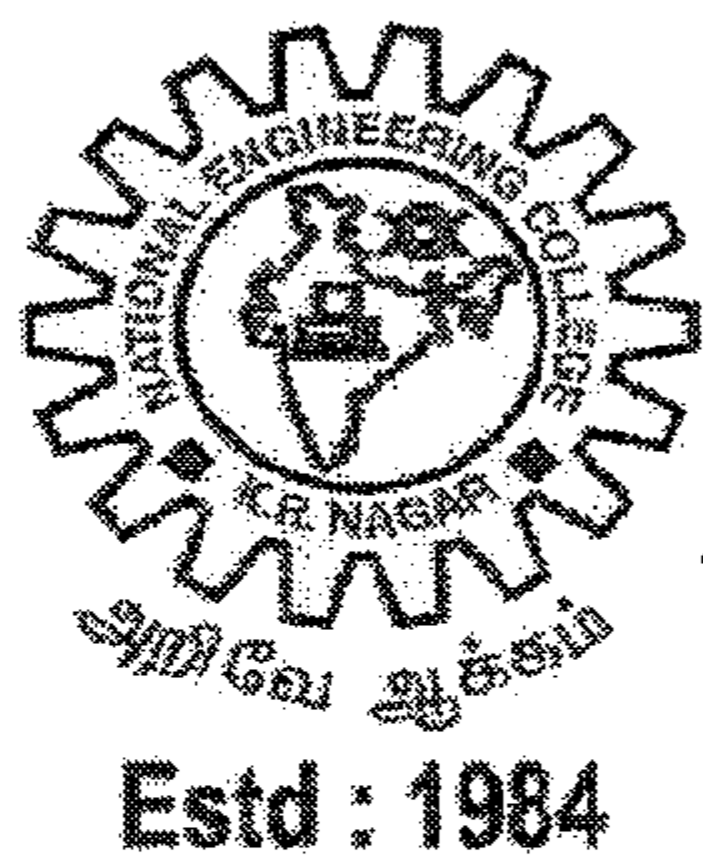
  
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24.	Dr. A. Nicholson, Asst Prof(SG)/S&H	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	
25.	Dr. V. Ramasubbu, Asst Prof/S&H	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	

Convener

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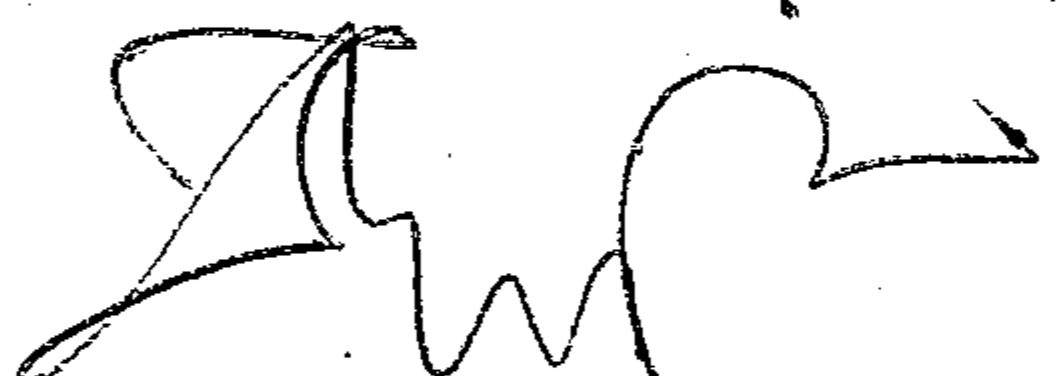
## WORKSHOP ON GRANT WRITING

(2-3 June 2023, NEC)

### Participant Feedback

1	Contents of the Program (Rating on Scale of 1 to 10)	9
2	Structure of the Program (Rating on Scale of 1 to 10)	8
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6	After the workshop - a) Do you feel better prepared to identify and structure the right research problem for your grant proposal. (Yes/No)	Yes
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7	Comments and Suggestions:  <i>Few case studies about recommended proposals and rejected proposals may be included in the workshop.</i>	

Participant Name:  
(Optional)

 (Dr. S. IYAHRAJA)



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7	Comments and Suggestions:  Gave lots of tips & guidelines on R&D grant proposal writing & defending.	

Participant Name: *Dr. V. Gomathi, Prof & Head / CSE*  
(Optional)



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	b) Do you feel better informed and more confident to write and defend a research grant. (Yes/No)	Yes
7	Comments and Suggestions:  <i>This workshop is useful for me. Because, I have learned that what-type of mistakes normally we are doing for preparing the proposal. So, it is useful for preparing the proposal and concentrate more on things in each stage.</i>	

Participant Name: **Dr. R. MUTHUKKUMAR**  
(Optional) *Professor / LT*



## WORKSHOP ON GRANT WRITING

(2-3 June 2023, NEC)

### Participant Feedback

1	Contents of the Program (Rating on Scale of 1 to 10)	9
2	Structure of the Program (Rating on Scale of 1 to 10)	9
3	Presentation & Delivery (Rating on Scale of 1 to 10)	9
4	Level of Engagement (Rating on Scale of 1 to 10)	9
5	Overall Utility (Rating on Scale of 1 to 10)	9
6	After the workshop - a) Do you feel better prepared to identify and structure the right research problem for your grant proposal. (Yes/No)	Yes
	b) Do you feel better informed and more confident to write and defend a research grant. (Yes/No)	Yes
7	Comments and Suggestions:  The overall presentation was structured and delivered well. Most of the doubts were clarified during the session.	

Participant Name:  
(Optional)

*Dr. A. Nicholas*

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**K.R. NAGAR, KOVILPATTI-628503**  
**Hosted by NATIONAL ENGINEERING COLLEGE**  
(An Autonomous Institution Affiliated to Anna University, Chennai)



**Entrepreneurship Activities**

**Startup Companies Incubated**

S. No.	Name of the Start-up	Product	Incubated Month & Year	Seed Fund Supported (Rs.)
1	M/s. Tospace Private Limited, Karur (DPIIT Recognized)	Development of pocket satellite	Sep 2022	1,00,000
2	M/s. Jay Jay Private Limited, Virudhunagar	Food Delivery Application	Mar 2022	85,000
3	M/s. Alavisian Tech Prive Limited, Tirunelveli	Health Tech - ICU Video Monitoring	Mar 2022	85,000
4	M/s. Tamool Technologies Private Limited, Chennai	Abacus Autobeads Web Application for School Children	Mar 2022	85,000

**Internship Offering through Start-up Companies:**

- 7 Mechanical Engineering students and 2 CSE students are inducted as interns by M/s. Cogniot Technology Private Limited.
- 8 students from Mechanical Engineering department were inducted as interns by M/s. Caprimec Technocrats Private Limited.
- 4 students from ECE department are offered online internship by M/s. Tospace Private Limited.

**Start-up Funding Achievements**

- 11 ideas have been submitted to Ministry of MSME for “MSME Idea Hackathon 1.0” during Feb 2022 and 1 idea has been sanctioned with the fund of Rs.9 Lakhs.
- 203 ideas were received, scrutinized and 94 ideas have been submitted to Ministry of MSME for “MSME Idea Hackathon 2.0” during Dec 2022.
- M/s. Zeekers India Private Limited, Coimbatore incubated at KRIC has been sanctioned with Rs.1.5 Crores fund from DISC 6.0 Challenge organized by Innovations for Defence Excellence (IDEX) for the idea titled “Development of AI enabled Welder's Helmet”.
- M/s. Trycae Industrial Engineering Private Limited, Trichy incubated at KRIC has been sanctioned with Rs.52.50 Lakhs fund from DISC 6.0 Challenge organized by Innovations



for Defence Excellence (IDEX) for the idea “Design and development of virtual assistant with AI/ML and AR tools deployed onboard ships submarines to support the maintenance crew for radar system”.

- M/s. Cogniot Technology Private Limited, Kovilpatti incubated at KRIC has been sanctioned with Rs.5 Lakhs as Grant-in-Aid support from National Institute of Agricultural Extension Management (MANAGE), Hyderabad under Agriprenuership Orientation Program for the idea titled “Peanut supply chain management systems and services”.

#### Upgradation of Lab:

- Web hosting server and 8 higher end personal computers are procured to the worth of Rs. 9.14 Lakhs. They are utilized by the incubatees for providing internship and product development.

#### Programs Organized:

- Southern Indian Chamber of Commerce and Industry (SICCI) visited K. R. Innovation Centre to study the performance of KRIC in business incubation activities, interacted with startups and appreciated the model proposed by KRIC for incubation activities. Based on the interaction one of our startup company was selected for representing Tamilnadu in Thailand.
- Incubation team visited AIC Defense Corridor in CODDISSIA during Sep 2022
- Incubation team participated in Atal Incubation Centre (AIC) Orientation program conducted by NITI Aayog at AIC Raise, Coimbatore during Sep 2022
- Skyward workshop series Phase-1 and Phase-II workshop has been organized in collaboration with for 94 UG students from various departments during odd semester of 2022-2023.

S.No.	Name of the Workshop/ Seminar	Students Benefited	Date
1	Work Shop on Women Entrepreneurship	20	09-03-2022
2	Work Shop on How to plan a startup	20	12-08-2022
3	Workshop on Innovation & Entrepreneurship for Aatma Nirbhar Bharat (Celebrating 75 Years of Independence - Azadi Ka Amrit Mahotsav)	70	13-08-2022
4	Work Shop on Lean startup	58	19-08-2022
5	Work Shop on Business Model Canvas	120	24-08-2022
6	Session on Angel Investment / VC Funding Opportunity for early state Entrepreneurs	25	26-08-2022
7	Faculty Development Program on Patent Drafts Preparation	25	28-12-2022
8	Celebrating G20 in KRIC and National Engineering College "Promoting Circular Economy based Startups"	50	01.04.2023
9	Session on Incubation- Opportunities for Students & faculties -	49	26.06.2023



	Early-Stage Entrepreneurs		
10	Awareness Program on Technical Entrepreneurship for CSE Students - Phase 2	53	06.07.2023
11	Awareness Program on Innovation & Entrepreneurship for Mechanical Engineering Students	56	07.07.2023
12	Innovation & Entrepreneurship Outreach Program for LAPC Students	65	17-07-2023
13	Innovation & Entrepreneurship Outreach Program for LAPC Students - Phase 1	45	18-07-2023
14	Innovation & Entrepreneurship Outreach Program for LAPC Students - Phase 2	62	19-07-2023
15	Innovation & Entrepreneurship Outreach Program for LAPC Students - Phase 3	58	20-07-2023
16	Outreach program on Innovation & Entrepreneurship for K R Arts & Science College	213	24-07-2023

#### External Institution visited K. R. Innovation Centre

1. AAA College of Engineering, Sivakasi
2. M.T.D. Hindu College of Arts and Science, Tirunelveli
3. St. Mary's College of Arts and Science, Thoothukudi
4. Lakshmi Ammal Polytechnic College, Kovilpatti

#### External students/faculty members visited K.R. Innovation Centre through EDII.

1. 50 students from 25 Engineering colleges
2. 30 faculty members from 15 polytechnic colleges.

#### Innovation Ambassadors providing innovation and entrepreneurship training to other Institutes

1. Government College of Arts and Science, Nagalapuram, Thoothukudi
2. P.S.R. Engineering College, Sivakasi
3. V. O. Chidambaram College of Arts and Science, Thoothukudi
4. Ramasamy Raja College of Arts and Science, Rajapalayam
5. P.A.C.Ramasamy Raja Polytechnic College, Rajapalayam
6. G.Venkataswamy Naidu College, Kovilpatti
7. Ramco Institute of Technology, Rajapalayam
8. KPR Institute of Engineering and Technology, Coimbatore
9. PSN College of Engineering and Technology, Tirunelveli

#### Mentee Institutes got benefited

1. Ramasamy Raja College of Arts and Science, Rajapalayam
2. P.S.R. Engineering College, Sivakasi
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