



RajaRajeswari College of Engineering

#14, Ramohalli Cross, Kumbalagodu, Mysuru road, Bengaluru - 560 074
(Approved by AICTE, New Delhi. Affiliated to the Visvesvaraya Technological University, Belagavi)

Department of Mechanical Engineering

MECH NEWSLETTER

Volume : 9 Issue: 1

Chief Patron



Dr.A.C.Shanmugam,
B.A.LLB, FIMSA, FRCPS (Glasgow,UK)
Former MLA., MP.,
Chairman,
RajaRajeswari Group of Institutions.



Mr.A.C.S.Arunkumar
B.Tech (Hons), LMISTE,MIET.,
(UK),LMCSI.,
Vice-Chairman
RajaRajeswari Group of Institutions.

Patrons

Dr.Vijayanand.S
Executive Director
RajaRajeswari Group of Institutions.

Mr. Jeyabalan.S
Special Officer
RajaRajeswari Group of Institutions.

Dr T R Gopalakrishnan Nair
Rector
RajaRajeswari Group of Institutions.

Principal

Dr.T.Chandrasekhar
RajaRajeswari College of Engineering

Head of the Department

Dr. C.Ramesh, Ph.D.,
HOD-Mech

Gear 2021

We are very much grateful to the Management, Rector and Principal for their continuous encouragement, inspiration and support extended for the release of this “NEWS LETTER”- GEAR 2021.

Department at a Glance

The Department of Mechanical Engineering was started in the year 2006 has highly qualified faculty with good blend of experience from both Academics and Industry. The department has well equipped laboratories with advanced software. Within a span of 15 years the department has reached “Centre of Excellence” by attaining results, conducting many seminars, conferences, workshops, FDPs, Industry - Institute Interactions at State and National levels. Obtained patents, funded projects from the various agencies like VTU, VGST, KSCST etc



Dr.C.Ramesh
Head of the Department

UG Programme :

- Bachelor of Engineering in Mechanical Engineering-4 Years.

Research Programme:

- Doctor of Philosophy

Centre of Excellence:



Grant-in-Aid under the Modernization and Removal of Obsolescence (MODROB)

The Department of Mechanical Engineering received a sum of Rs. 16.5 Lakhs from All India Council for Technical Education (A Statutory body under Ministry of HRD, Govt. of India) under Grant-in-Aid under the Modernization and Removal of Obsolescence (MODROB) scheme to set up Center for Research on Automated Machining and Robotics for the academic year 20-21 and the period of grant utilization is two years i.e from 2020 – 2022.

All India Council for Technical Education (A Statutory body under Ministry of HRD, Govt. of India) Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org			
MODROB - Sanction Letter			
F.No.9-243/IDC/MODROB/Policy-1/2019-20		Date: 20.07.2020	
To The Drawing and Disbursing Officer, All India Council for Technical Education, Nelson Mandela Marg, Vasant Kunj, New Delhi - 110070			
Sub: Release of a sum of Rs.1317961/- (Rupees Thirteen Lakh Seventeen Thousand Nine Hundred SixtyOne Only) being the 1 st installment Grant-in-Aid under the scheme Modernization and Removal of Obsolescence (MODROB) for the year 2019-20 payable during the current financial year 2020-21 - reg.			
Sir, With reference to the proposal submitted by the institute, this is to convey that the sanction of the Council for payment of Rs.1647451/- (Rupees Sixteen Lakh FourtySeven Thousand Four Hundred FiftyOne Only) as sanctioned Grant-in-Aid under the Modernization and Removal of Obsolescence (MODROB) scheme, as per details given below:			
1.	Name and address of the Beneficiary Institution:	Director/ Principal/ Registrar, RAJARAJESWARI COLLEGE OF ENGINEERING, #14, RAMOHOLLI CROSS, KUMBALGODU, MYSORE ROAD, BANGALORE - 560074	
2.	Title of Project:	Center for Research on Automated Machining and Robotics	
3.	Name of Coordinator:	Dr. C RAMESH	
4.	Duration of the project:	2 years	
4.	Total Grant-in-aid Sanctioned:	Total: Rs.1647451/-	Non-Recurring (85%): Rs.1400333/- Recurring (15%): Rs.247117/-
5.	Amount to be released during the year 2020-21:	1st Installment Rs.1317961/-	Non-Recurring (85%): Rs.1120266/- Recurring (15%): Rs.197694/-
6.	Sanctioned grant-in-aid is debatable to:	Major Head 601.18(a) Gen. (Plan Head)	
1. The amount of the Grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the Grant-in-Aid bill and shall be disbursed to and credited to the account of Director/Principal/ Registrar of the Institute through RTGS/PFMS.			
2. This Grant-in-Aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.			
<u>The instructions/guidelines to be followed by University/Institution</u>			
1. Release of funds			
a. The Principal/ Director of the institute and the Coordinator of the project are hereby requested to verify the correctness of the undermentioned bank account/ RTGS details submitted by them along with the Proposal, in which the grant is being released:			
F.No.9-243/IDC/MODROB/Policy-1/2019-20			

- e. As AICTE needs adequate time for depositing the Demand Draft in the bank, the same be immediately dispatched to avoid any lapse of the validity period.

IV. Submission of documents by college/institution after completion of Project/Subsequent years.

The following mandatory relevant documents are required to be submitted by the college/institution within one month of the completion of the project: -

- a. Feedback form in the prescribed proforma.
- b. The **Annual Progress Report (APR)** in the prescribed format along with the original Statement of actual Expenditure in the prescribed proforma duly signed by the Head of the institution and shall be submitted to AICTE not later than one month after completion.
- c. The **Utilization Certificate (UC)** supported by Audited Statement of Expenditure to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the AICTE immediately after completion of the project. It should contain the head-wise break up of expenditure made from the grant-in-aid provided by the Council. Audited Statement of Expenditure indicating expenditure incurred in the total duration of the project in the prescribed format and GFR-19 shall be submitted to the Council.
- d. In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed by a Chartered Accountant (with membership no., full address & stamp). Photocopies of formats are enclosed.
- e. **Program Evaluation Committee (PEC)** is required to be constituted at Institutional level. The constitution of the PEC shall be as under:
 - (i) Principal/Director/Registrar of the Institution(Chairperson)
 - (ii) Coordinator of the project (Member Secretary),
 - (iii) Two HODs and one subject expert(Members).

The members of the said PEC shall not be below the rank of Associate Professor. The minutes of the meetings are to be submitted to the Council at end of the project along with other mandatory documents.

- f. Project completion report project indicating the activities undertaking, number of students benefited, laboratory works photographs of students, together with their views is to be submitted.
- g. Attested photocopies of supporting vouchers/bills of expenditure incurred for the completion of Project.
- h. Photographs of equipment's purchased.
- i. The balance amount of the grant will be reimbursed to the university/institution only on submission of the above documents. On receipt of these documents, the total amount of balance of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid shall be released, as second installment, in favour of the beneficiary institution.

V. General instructions

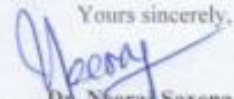
- a. The amount of interest accrued on the grant should be treated as part of the grant to be utilized for that particular project. However, the interest amount accrued along with grant disbursed should not exceed the total grant sanctioned for the project. The Institute receiving the grant should reflect the same in the audited statement of accounts/ utilization certificate and may either refund the interest amount to AICTE or AICTE shall adjust the same in the next installment of grant before its released.
- b. Any unavoidable circumstantial change in the project with respect to name of Project Coordinator for the MODROB project would mandatorily require prior approval of the Council. All such requests should be addressed to AICTE, in advance, recording the specific reasons for proposed changes, failing which the offer for the grant already issued would be treated as automatically withdrawn and the financial assistance released in favour of the beneficiary institution shall be refunded immediately to the Council. Kindly mention the File No.9-1/RIFD/MOD/Policy-1/2019-20 in your future correspondence.
- c. The grantee shall maintain an audited record of assets acquired wholly or substantially out of the Grant-in-Aid and a register of assets shall be maintained by the Institute in the prescribed form i.e.GFR-19.

- d. The College / Institute receiving grant under MODROB is expected to put up a plaque at the main entrance of the Lab/Department, which has been modernized using the grant. All the equipment procured through the project should be super scribed with AICTE project file number.
- e. The assets acquired wholly or substantially out of grant shall not be disposed or encumbered or utilized for the purpose other than those for which the Grant was given without proper sanction of the AICTE and should at any time the institution cease to function, such assets shall revert to the AICTE.
- f. The grantee Institution shall observe all financial norms and guidelines as prescribed by the AICTE/ Government of India from time to time. GOI GFR rules (@<https://doe.gov.in/order-circular/general-financial-rules2017-0>) should be followed during utilization of grant.

List of Equipment's approved:


Name of Equipments
MINI ROBOT MTAB Make, 5 AXIS ROBOT, MODEL : MINI ROBOT
XLTURN MTAB Make, CNC Lathe Machine with MTAB Industrial Control , Model : XLTURN, ATC 6 Station Automatic Tool Changer GER, Tool Package Lathe Tooling Package for Lathe
1. XLMILL MTAB Make,CNC Milling Machine MTAB Industrial Control , Model : XLMILL, Tool Package Mill Tooling Package for Milling

Yours sincerely,


Dr. Neeraj Saxena
Advisor - II (IDC)

Copy forwarded for information and necessary action to:

1. Name and Address of the Coordinator,
Dr. C RAMESH
RAJARAJESWARI COLLEGE OF ENGINEERING,
#14, RAMOHOLLI CROSS, KUMBALGODU, MYSORE ROAD,
BANGALORE - 560074,560074
2. The Registrar / Director / Principal,
Dr. C RAMESH
RAJARAJESWARI COLLEGE OF ENGINEERING,
#14, RAMOHOLLI CROSS, KUMBALGODU, MYSORE ROAD,
BANGALORE - 560074 560074
3. Guard File


Dr. Neeraj Saxena
Advisor - II (IDC)

F.No.9-243/IDC/MODROB/Policy-1/2019-20

Dr.C.Ramesh, Head, Department of Mechanical Engineering is the coordinator of AICTE granted MODROBS. Dr M Karthikeyan and Dr Satheesha V are the co- coordinators.

Two students Mr.M.Rakshith and Mr.Chetan K have registered Ph.D Degree program in the R&D centre of the Department of Mechanical Engineering under the guidance of Dr.Vishwanath.K.C, Associate Professor during the academic year 2020-2021.



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ
(ದಿ ಆ ಯು ಆಫ್ ಟೆಕ್ನಾಲಜಿ ಗವರ್ನಮೆಂಟ್ ಆಫ್ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)
"ಜ್ಞಾನ ಸಂಗಮ", ಬೆಲಗಾವಿ-೫೯೦೦೧೮, ಕರ್ನಾಟಕ, ಭಾರತ
Visvesvaraya Technological University
(State University of Government of Karnataka Established as per the VTU Act, 1994)
"Jnana Sangama" Belagavi-590018, Karnataka, India

Prof. A. S. Deshpande, B.E., M.Tech., Ph.D.
REGISTRAR

Phone: (0831) 2498100
Fax : (0831) 2405467

VTU/BGM/Aca/Ph.D./2020-21/878

Date: December 31, 2021

Provisional Registration Letter for Ph.D. Degree Programme
(Office Order)

Sub: Provisional Ph.D. Registration reg...

Ref: 1. Notification No. VTU/BGM/Aca/Ph.D./2020-21/847 dated 07-11-2020.
2. Candidate's ETR Application No. : 3175
3. Hon'ble Vice Chancellor's Order dated 14-12-2021.

Pursuant to the recommendations of the Admission Committee and approval of Honourable Vice Chancellor, you have been selected for provisional admission to pursue Ph.D. programme under Visvesvaraya Technological University, Belagavi.

The details pertaining to the registration are given below:

Sl.No.	Particulars
1.	Name of the Candidate RAKSHITH M
2.	University Seat Number (USN) 1RR20PME02
3.	Admission Category of Research Programme (Full Time/Part Time). Ph.D. - Full Time
4.	Faculty under which the degree will be awarded. FACULTY OF MECHANICAL ENGINEERING SCIENCES
5.	Name of the Research Center RAJARAJESWARI COLLEGE OF ENGINEERING BANGALORE
6.	Specialization MECHANICAL ENGINEERING
7.	Proposed Research Topic / Area. Study of mechanical properties and characteristics of bamboo fibers reinforced with polymer matrix composites.
8.	Name and address of the Research Supervisor. DR.VISHWANATH K C Assc. Professor - MECHANICAL ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING BANGALORE

The Research Scholars shall strictly follow the norms of the University with regard to the Regulations Governing the Degree of Doctor of Philosophy (Ph.D.) / M.S. (Research) - 2020 and any other amendments effected from time to time.


Registrar

To,

1. RAKSHITH M, NO 33 2ND MAIN 7TH CROSS SHIVANAGAR RAJAJINAGAR BENGALURU 560010.
2. Principal of the college / Director, Principal or Dean (Architecture)/Chairperson of the University Department/Research



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ
 ("ದಿ ಟಿ ಯು ಅಧಿನಿಯಮ ೧೯೯೪" ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)
 "ಜ್ಞಾನ ಸಂಗಮ", ಬೆಳಗಾವಿ-೫೯೦೦೧೮, ಕರ್ನಾಟಕ, ಭಾರತ
Visvesvaraya Technological University
 (State University of Government of Karnataka Established as per the VTU Act, 1994)
 "Jnana Sangama" Belagavi-590018, Karnataka, India

Prof. A. S. Deshpande, B.E., M.Tech., Ph.D.
REGISTRAR

Phone: (0831) 2498100
 Fax : (0831) 2405467

VTU/BGM/Aca/Ph.D./2020-21/878

Date: December 31, 2021

**Provisional Registration Letter for Ph.D. Degree Programme
 (Office Order)**

Sub: Provisional Ph.D. Registration reg...

Ref: 1. Notification No. VTU/BGM/Aca/Ph.D./2020-21/847 dated 07-11-2020.
 2. Candidate's ETR Application No. : 0827
 3. Hon'ble Vice Chancellor's Order dated 14-12-2021.

Pursuant to the recommendations of the Admission Committee and approval of Honourable Vice Chancellor, you have been selected for provisional admission to pursue Ph.D. programme under Visvesvaraya Technological University, Belagavi.

The details pertaining to the registration are given below:

Sl.No.	Particulars	
1.	Name of the Candidate	CHETAN K
2.	University Seat Number (USN)	1R20PME01
3.	Admission Category of Research Programme (Full Time/Part Time).	Ph.D. - Part Time
4.	Faculty under which the degree will be awarded.	FACULTY OF MECHANICAL ENGINEERING SCIENCES
5.	Name of the Research Center	RAJARAJESWARI COLLEGE OF ENGINEERING BANGALORE
6.	Specialization	MECHANICAL ENGINEERING
7.	Proposed Research Topic / Area.	Potential of FSP in enhancing the Mechanical, Tribological and Corrosion properties of Rare earth free Mg Alloy-A Study
8.	Name and address of the Research Supervisor.	DR.VISHWANATH K C Assc. Professor - MECHANICAL ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING BANGALORE

The Research Scholars shall strictly follow the norms of the University with regard to the Regulations Governing the Degree of Doctor of Philosophy (Ph.D.) / M.S. (Research) - 2020 and any other amendments effected from time to time.

Registrar

To,

1. CHETAN K, #2230, S/O KRISHNA K, 10TH CROSS, V V NAGAR, MANDYA 571401 .
2. Principal of the college / Director, Principal or Dean (Architecture)/Chairperson of the University Department/Research

Faculty publications in the academic year 2020-21

1. A. Anand, L. Nussana, M. P. Sham Aan, K. Ekwipoo, S. G. Sangashetty & J. Jobish (2020), **"Synthesis and Characterization of ZnO Nanoparticles and Their Natural Rubber Composites"**, Journal of Macromolecular Science, Part B, 59:11, 697-712, DOI:10.1080/00222348.2020.1798097. ISSN: 0022-2348, published online: 03rd Aug 2020. **Impact factor 1.3, Scopus Journals published: [Taylor & Francis group]**
2. Lehman Nussana, Adeppa Anand, Nattapon Uthaipan, Ekwipoo Kalkornsurapranee & Jobish Johns (2020), **"Effects of grafting level and nano-clay loading on the properties of cured NR/PVA blends"**, International Journal of Polymer Analysis and Characterization. doi.org/10.1080/1023666X.2020.1819086. Published online: 16th Sep 2020. **Impact factor 2.03, Scopus Journals published: [Taylor & Francis Group].**
3. Dr. Viswanath K C, Dr.N.Sreenivasalu Reddy, Dr.A.Chandrashekar, **" Characterization of ballistic and wear resistance of friction stir welded AA6061 aluminum alloy"**, published by AIP publishing, <https://doi.org/10.1063/5.0022418>, 5th October 2020. **Scopus indexed journals, Impact factor 0.44.**
4. N. Sreenivasalu Reddy, S. Gowreesh Subramanya, K.C. Vishwanath, S. Kanchiraya, V. Satheesha, M. Karthikeyan, **"Analysis of tube-in-tube copper helical heat exchanger to improve heat transfer"**, published in **Materials Today: Proceedings -ELSEVIER** ISSN 2214-7853 03rd November 2020.
5. Dr.Vishwanath K.C, Dr.Sreenivasalu Reddy, Dr.Abdul Razak. Kaladgi **"Transient Heat Transfer Analysis Of Dimpled Rod"** IOP Conference Series: Materials Science and Engineering (Scopus indexed Journal), 1065 (2021) 012034, doi:10.1088/1757-899X/1065/1/012034, Published online: 16th Feb 2021.
6. Dr. Vishwanath K C, M kareemullah, Asif Afzal, " Preparation and physicochemical properties evaluation of epoxidized neem oil based bio lubricant" published in Australian Journal of Mechanical Engineering, <https://doi.org/10.1080/14484846.2021.192014>, page no 1 to 10, Scopus indexed journal, ISSN : 14484846, H- index - 9, Impact factor : 0.96, Version : Q3, This journal is published by : Taylor & Francis group.

Book/Chapter Published

1. Dr. Vishwanath K C, Chief Editor for the textbook titled **"Recent Advancement in Engineering and Technology"** (RAET-2020), will be published by ANVI BOOKS&PUBLISHERS, New Delhi-110002 . First Edition 2020. ISBN 978-81-946168-3-2.

Faculty participation in workshop, faculty development programme and webinar for the Academic Year 2020-21

1. Dr. Satheesha V has participated and successfully completed Part 1 of the online UHV Refresher 1 FDP organized by All India Council for Technical Education(AICTE) from 30th November, 2020 to 4th December, 2020.

Memorandum of Understanding
Department of Mechanical Engineering
with
Indian Machine Tool Manufacturers' Association(IMTMA)



Signed MoU with Indian Machine Tool Manufacturers' Association(IMTMA). Mr. M Krishnamoorthy, Sr. Director Training, IMTMA delivered the lecture about **“Employability opportunities in Manufacturing Industries”** and signed the MoU. He explained the various programs such as foundation course on Industrial Automation, finishing school in Production Engineering, 200+ focused technical programs on design, productivity, quality, maintenance, metal forming, emerging technologies, CNC machining and e-learning courses conducted by IMTMA to the gathering. He pointed out the benefits obtained by the students because of this MoU.




Benefits to be obtained from this MoU

1. To cater to the need for enhancement of the skillsets of fresh graduates in Mechanical Engineering and to mould them into “Industry Employable”.
2. Value Addition Trainings, Guest Lectures, Seminar orientation programmes to recent Industrial Practices, Industrial Visits, Placement Assistance will be organized.
3. Pre-final and final year Mechanical Engineering students will undertake the various courses and programs such as foundation course on Industrial Automation, finishing school in Production Engineering, 200+ focused technical programs offered by them in the disciplines of design, productivity, quality, maintenance, metal forming, emerging technologies, CNC machining and many more and students can visit the industries and gain knowledge.

Signing MoU with IMTMA leads to create an avenue to gain knowledge, create job opportunities for the students in the manufacturing and related industries, create opportunities to interact with various experts in the field of manufacturing and technology.



Class Toppers List Academic Year 2020-21

SEMESTER		 1 st Topper	 2 nd Topper	 3 rd Topper
8 th	USN: NAME: %:	1RR18ME410 VIKAS.H 92.14%	1RR17ME089 PRASHANTH.J 91.43%	1RR17ME002 ABDUL JALEEL AHMED 91.4%
7 th	USN: NAME: %:	1RR17ME058 MARVEL M 86.4%	1RR17ME002 ABDUL JALEEL AHMED 85.8%	1RR18ME410 VIKAS H 84.38%
6 th	USN: NAME: %:	1RR18ME019 KIRAN H Y 89.8%	1RR18ME054 VIKAS GURUSIDDAPPA H 82.3%	1RR18ME002 AKASH GURUSIDDAPPA H 81.9%
5 th	USN: NAME: %:	1RR18ME019 KIRAN H Y 86.22%	1RR18ME002 AKASH GURUSIDDAPPA H 77.11%	1RR18ME054 VIKAS GURUSIDDAPPA H 76.78%
4 th	USN: NAME: %:	1RR19ME021 SARATHKUMAR 75.89%	1RR19ME003 DARSHAN RATHOD 71.44%	1RR19ME022 VAISHNAVI.N 70.22%
3 rd	USN: NAME: %:	1RR19ME021 SARATHKUMAR 75.89	1RR19ME022 VAISHNAVI N 70.22	1RR18ME020 KISHAN S 69.56
2 nd	USN: NAME: %:	1RR20ME003 PIYUSH KUMAR 81%	1RR20ME001 ANKESH B N 79.5%	1RR20ME002 MOHAN C P 69.1%
1 st	USN: NAME: %:	1RR20ME002 MOHAN C P 70%	-- -- --	-- -- --

Webinar



RajaRajeswari College of Engineering
(Approved by AICTE, New Delhi. Affiliated to the Visvesvaraya Technological University, Belagavi)

Department of Mechanical Engineering

Presents a webinar on

"How to prepare, why to prepare & how to crack the competitive exams"

(GATE / IES / IRMS / ISRO / BARC)



Top Tips & Tricks To Crack Competitive Exams

Speakers

Mr.Nikhil Kumar Gupta
(Founder & CEO)
NK Educon Solutions
Bengaluru

Scheduled on

Friday, 7th August 2020
11 a.m. to 12.30 p.m.

No Registration fee | e-certificate to all the active participants

CET Code: E145

'A' GRADE
NAAC
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

COMED-K:E099



admission@rrce.org

For admission  **+91 90088 45678, 080-28437124**



www.rrce.org



Coordinator
Dr.K.C.Vishwanath

HOD
Dr.C.Ram esh

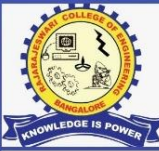
Head of the Institution
Dr.T.Chandrashekar

The webinar, "How to prepare, why to prepare, and how to crack the competitive exams" was organized on Friday, 7th August 2020. The resource person is Mr.Nikhil Kumar Gupta, Founder, and CEO, NK Educon solutions, Bengaluru. He has briefed about how to prepare for GATE 2021. He emphasized that the students must start their preparation early by doing so, they will be able to compile all the necessary study material and create a proper plan that they may follow during their course of the operation to succeed in the competitive exams. Dr. VishwanathK C, Associate Professorwelcomes the resource person and the participants and introduced the speaker to the participants.

There was an overwhelming response from participants around 200+ participants registered for this program, which includes more number of students from various colleges. The participants are interacting with the speaker and gain the knowledge, how to crack the competitive exams.Dr.M.Karthikeyan, Professor has given the vote of thanks and concluded the webinar.


Dr.C,Ramesh, HoD-Mech coordinate the programme.

Webinar




RajaRajeswari College of Engineering
(Approved by AICTE, New Delhi, Affiliated to the Visvesvaraya Technological University, Belagavi)
#14, Ramohalli Cross, Kumbalagodu, Mysuru Road, Bengaluru -560074

Webinar on
New Education Policy (NEP) - 2020
on the occasion of
Teachers' Day 2020 celebrations



**"Teachers should be the
best minds
in the country"**
- Dr Sarvepalli Radhakrishnan



Resource Person
Dr.R.Shankara Reddy
Professor
Department of Mechanical Engineering
RRCE, Bengaluru

Scheduled on
Saturday, 5th September 2020
1.30 pm to 2.30 pm

Registration link: <https://forms.gle/SzBXKt3DewEu5uki9>

Co-ordinators
Dr.M.Karthikeyan, Dr.K.C.Vishwanath

Head of Institution
Dr.T.Chandrashekar

The webinar on “New Education Policy (NEP) – 2020 on the occasion of Teachers’ Day 2020 Celebrations” was organized on Thursday, 5th September 2020. The resource person is Dr.R.Shankara Reddy, Professor, Department of Mechanical Engineering, RajaRajeswari College of Engineering, Bangalore. Dr. Vishwanath K C, Associate Professor, welcomes the resource person and, introduced the speaker to the participants. There was an overwhelming response from participants, around 150+ participants registered for this program, which includes more number of faculties from various colleges. He has briefed about the NEP-2020, Recognizing, Identifying, and Strengthening the unique capabilities of each student, Promoting each student’s holistic development in both academic and non-academic spheres. Achieving Foundational Literacy and Numeracy in all students by Grade 3. Dr.M.Karthikeyan, Professor has given the vote of thanks and concluded the webinar.

Dr.C,Ramesh, HoD-Mech coordinate the programme.

Webinar



RAJARAJESWARI COLLEGE OF ENGINEERING
#14, Ramohalli Cross, Kumbalgodu Post, Mysore Road, Bangalore – 560 074.
Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi and Govt. Of Karnataka
CET CODE: E145 / COMED-K: E099 / PG CET: T858

Department of Mechanical Engineering
&
RR Institution Innovation Council (RRIIC)
Presents Webinar on
“Train the trainer to Mould the next generation learners to become an Entrepreneur”
“Risk more than others think is safe. Dream more than others think is practical”
- Howard Schultz, CEO of Starbucks



Resource Person
Mr. M. Dhananjayan
Managing Director
Focus Engineering India,
Focus Technologies LLC, Dubai.

Registration Here: <https://forms.gle/jqQBiYSNyTdzUXdq8>

Date: **24th October 2020(Saturday)** Time: **10:30am to 11:30am**

Dr.M.K.Karthikeyan Coordinator	Dr.C. Ramesh HOD Dept. of Mech	Dr.T.Chandrashekar Principal
-----------------------------------	--------------------------------------	---------------------------------

Entrepreneurial talk on “ Train the trainer to mold the next generation learners to become an Entrepreneur” Saturday, 24th October 2020 was organised in association with RajaRajeswari College of Engineering Institution Innovation Council (RRIIC).

The resource person Mr. M. Dhananjayan, Managing Director, Focus Engineering India, Focus Technologies LLC, Dubai delivered the talk and briefed about entrepreneurship and innovation. He presents the inspirational talk with the three perspectives

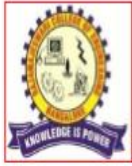
- Personal story
- Mindset
- Call for action

The journey to becoming an entrepreneur starts from the individual, added value to you, society, country, and the entire world. The disruptive situation provides more opportunities to become an entrepreneur. More number of participants raise the questions with the expert and clear their doubts.

Dr. C. Ramesh, HoD-Mech has given the vote of thanks and conclude the webinar.

Dr. M. Karthikeyan, Professor, Department of Mechanical Engineering coordinating the webinar.

Webinar



RAJARAJESWARI COLLEGE OF ENGINEERING

(Affiliated to VTU, Belgaum, Approved by AICTE, New Delhi.)

DEPARTMENT OF MECHANICAL ENGINEERING

Organizing Career Guidance Program on “THE JOB SEEKERS TOOL KIT”



Mr. Dhanish Abdul Khader
Designation: Space System Engineer
S S Technologies, Bengaluru

Organizing Committee

Dr. T Chandrashekhara, Principal-RRCE
Dr. Ramesh C, Prof & Head, Mech.Engg.
Mr. Radhakrishna R K, Assistant Prof,
Dept.of Mech. Engg, Mob. No- 9611333833

Time: 11.00AM –12.00 Noon Webinar Link: <https://meet.google.com/jur-efwy-pmc> **Date: 9/12/2020**


Patron

MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST

The webinar on “The Job Seekers Tool Kit “ was held on Wednesday, 9th December 2020 Thursday. Mr. Dhanish Abdul Khader, Designation, Space System Engineer, S S Technologies, Bengaluru demonstrated on various basic and advanced software’s, software tools used in the present scenario and explain the different application tools used in automobile, aerospace domain. Further he has explained, how these software tools are helping the students to create their career in real world.130+ participants wereattended the program. Prof. Radhakrishna R K, Assistant Professor coordinate the program and Prof. Thanujkumar M given the vote of thanks and concluded the webinar.

Dr.C,Ramesh, HoD-Mech coordinate the programme.

Webinar

**RajaRajeswari College of Engineering, Bangalore**

Affiliated to VTU, Belgavi. Approved by AICTE, New Delhi & Govt. of Karnataka. Accredited by HLAET, Texas, USA (Internationally) and by NBA (CSE, ECE, EEE, Mech)



COMED-K: E099 CET Code: E145

Department of Mechanical Engineering & RRIIC

My Story : Motivational Session by Successful Innovator



Resource Person :
Er. S. Rajakumar B.E,
(2019 B.E. Mechanical Engineer)
Innovator - Multicrop Seeder
Ramji Agro Implements, Kovilpatti.



Date : 11.12.2020 (Friday) Time : 10.00 A.M – 11.30 A.M

E-Certificate will be given to the attended and active Participants.

Zoom Meeting ID : 863 438 6115
Password : rrb

In Association with



Prof.Ravikumar T **Dr.M.Karthikeyan** **Dr.C.Ramesh**
Asst. Prof.– Mech. Professor – Mech. Prof & HoD – Mech. Engg.

Dr.T.Chandrashekar, Principal
Dr.J.Amutharaj, President - RRIIC

MULTICROP SEED DRILL

• PROBLEMS IDENTIFIED

1. MAN POWER SHORTAGE
2. PER ACRE 3000 RS REQUIRED FOR HUMAN WORKERS
3. TWO DIFFERENT STAGES ARE REQUIRED FOR SEED SOWING (PLOWING AND SEED SOWING)
4. SHORTAGE IN PRECISION
5. HIGH COST (1-2 LAKHS) CONVENTIONAL UNITS ONLY AVAILABLE IN THE MARKET

Entrepreneurial talk on “My Story: Motivational Session by Successful Innovator”, was held on 11th December 2020, in association with RajaRajeswari College of Engineering Institution Innovation Council (RRIIC). The resource person Mr.S.Rajakumar, Properotor, Ramji Agro implements, Kovilpatti.

He has explained the various agricultural products like Multicrop seed drill machine, Reversible disc plow, Reversible MB plow, Cultivator designed and manufactured by him. He briefed about his journey towards becoming an entrepreneur. He explained how to approach real-life problems, analyze the problem, strategies to be followed to solve the problem, and solution for the problem. He has obtained various grants to manufacture the product. He has set up a start-up with the incubation center of the National College of Engineering, Kovilpatti, Tamil Nadu.

MULTICROP SEED DRILL

• PROBLEMS IDENTIFIED

1. MAN POWER SHORTAGE
2. PER ACRE 3000 RS REQUIRED FOR HUMAN WORKERS
3. TWO DIFFERENT STAGES ARE REQUIRED FOR SEED SOWING (PLOUGHING AND SEED SOWING)
4. SHORTAGE IN PRECISION
5. HIGH COST (1-2 LAKHS) CONVENTIONAL UNITS ONLY AVAILABLE IN THE MARKET

SOLUTION

The developed product is offering effective solution to the seed sowing problems by varying the distance and the depth. The equipment is having ploughing tool to place the seeds at the appropriate depth



STAGES FOR MY PRODUCT INVENTIONS

- PROBLEM IDENTIFIED
- DESIGN
- MANUFACTURING
- FIELD TESTING
- RE DESIGN AND UPGRADE
- FINAL TEST
- MARKETING

Dr.J.Amutharaj, President – RRIIC, Professor & Head – ISE, Dr.G.Vinoth, Startup Designer, Pongu Ventures, Chennai, Dr.C.Ramesh, Convener – RRIIC, Head – Mech. Engg, extended their support to organize the entrepreneurial talk.Dr.M.Karthikeyan, Professor, Prof. Ravikumar T, Assistant Professor, Department of Mechanical Engineering coordinating the event. Prof. Ravikumar T, Assistant Professor has given the vote of thanks and conclude the webinar.

**Visvesvaraya Technological University Financial Assistance
for Innovative Project work.**

The Management, Principal, Head of the Department of Mechanical Engineering, faculty members congratulate the following batch of students and respective guides for the efforts taken to get the financial assistance of Rs.5000/- (Rs Five Thousand only) each from Visvesvaraya Technological University, Belagavi for their Innovative Project work.

Sl No.	Title of the Project	Name of the students	Name of the Guide	Grant received (in Rs.)
1	Experimental investigation of enhancement of heat transfer of refrigerator evaporator coils	Rachana L Basavaraj M H Jayanth T H Hemanth Gowda	Dr.N.Sreenivasalu Reddy, Associate Professor, Dr.C.Ramesh., Associate Professor and HOD, Mech Engg.	Rs. 5000/-
2	Design and fabrication of Swirling domestic burner	Dhanush C Kirankumar H A Manoj R Mohan G	Dr.N.Sreenivasalu Reddy, Associate Professor, Dr.Vishwanath K C, Associate Professor, Mech Engg.	Rs. 5000/-

Alumni Talk



Alumni talk
on
"Tell me about yourself"
Speaker


Mr.Ramesh Bhat
(Mechanical Engineering, Batch 2012 -2016)







Business Analyst
Newgen Software Technologies Ltd.,
Bengaluru

Alumni talk on “Tell me about yourself”, was held on 8th May 2021. The resource person Mr.Ramesh Bhat, Alumni of Mechanical Engineering, Batch 2012-2016, Business Analyst, Newgen Softwre Technologies Limited, Bengaluru. He has explained the students about the following:

1. Importance of CV building.
2. Job Opportunities in current industry scenario.
3. Interview preparation.
4. How to face the interview?
5. Technical knowledge to be required to face the interview.

100+ Students are registered for this programme and interacted with the Alumni of the Department of Mechanical Engineering, Raja Rajeswari College of Engineering, Bengaluru.


Laboratory Name	:	Center for Research on Automated Machining and Robotics																															
Room No./Hall No.	:	LG01																															
Area	:	66 m ²																															
Photos	:																																
List of Equipment's	:	<table><tr><th>Sl. No.</th><th>Name of the Equipment's</th><th>Qty.</th></tr><tr><td>1</td><td>CNC Lathe machine with MTAB industrial control</td><td>01</td></tr><tr><td>2</td><td>Minimal Tooling Package for lathe</td><td rowspan="2">01</td></tr><tr><td>3</td><td>Operation and maintenance tool for Lathe</td></tr><tr><td>4</td><td>CNC Milling machine with MTAB industrial control</td><td>01</td></tr><tr><td>5</td><td>Minimal Tooling Package for milling</td><td rowspan="2">01</td></tr><tr><td>6</td><td>Operation and maintenance tool for milling</td></tr><tr><td>7</td><td>Station automatic tool changer</td><td>01</td></tr><tr><td>8</td><td>5 Axis Robot</td><td>01</td></tr><tr><td>9</td><td>Servo Stabilizer (Lathe and Milling)</td><td>02</td></tr><tr><td>10</td><td>Compressor for XLMILL</td><td>01</td></tr></table>	Sl. No.	Name of the Equipment's	Qty.	1	CNC Lathe machine with MTAB industrial control	01	2	Minimal Tooling Package for lathe	01	3	Operation and maintenance tool for Lathe	4	CNC Milling machine with MTAB industrial control	01	5	Minimal Tooling Package for milling	01	6	Operation and maintenance tool for milling	7	Station automatic tool changer	01	8	5 Axis Robot	01	9	Servo Stabilizer (Lathe and Milling)	02	10	Compressor for XLMILL	01
Sl. No.	Name of the Equipment's	Qty.																															
1	CNC Lathe machine with MTAB industrial control	01																															
2	Minimal Tooling Package for lathe	01																															
3	Operation and maintenance tool for Lathe																																
4	CNC Milling machine with MTAB industrial control	01																															
5	Minimal Tooling Package for milling	01																															
6	Operation and maintenance tool for milling																																
7	Station automatic tool changer	01																															
8	5 Axis Robot	01																															
9	Servo Stabilizer (Lathe and Milling)	02																															
10	Compressor for XLMILL	01																															
Laboratory Name	:	Centre of Excellence By Toyota Kirloskar																															
Room No./Hall No.	:	LG10																															

Area	:	150 m ²
Photos	:	     

Certificate/ Add-on programs

Academic Year	Name of the Program	Duration	Date	No students attended
2020-21	Six Days Hands on Training Program on CATIA Part Design and Drafting (online Mode)	6 days	04 th to 09 th , Jan, 2021	150
Name of the Resource Persons	1. Mr. Rajendra Reddy S. Regional Manager, South India, Bangalore 2. Dr. Dinesh., Assistant manager Technical Support, Bangalore 3. Dr. Gowressesh S, Associate Professor, JSSATE, Bangalore.			

Center of Excellence

Laboratory Name	:	Center for Research on Automated Machining and Robotics																																	
Room No./Hall No.	:	LG01																																	
Area	:	66 m ²																																	
Photos	:																																		
List of Equipment's	:	<table><tr><th>Sl. No.</th><th>Name of the Equipment's</th><th>Qty.</th></tr><tr><td>1</td><td>CNC Lathe machine with MTAB industrial control</td><td>01</td></tr><tr><td>2</td><td>Minimal Tooling Package for lathe</td><td rowspan="2">01</td></tr><tr><td>3</td><td>Operation and maintenance tool for Lathe</td></tr><tr><td>4</td><td>CNC Milling machine with MTAB industrial control</td><td>01</td></tr><tr><td>5</td><td>Minimal Tooling Package for milling</td><td rowspan="2">01</td></tr><tr><td>6</td><td>Operation and maintenance tool for milling</td></tr><tr><td>7</td><td>Station automatic tool changer</td><td>01</td></tr><tr><td>8</td><td>5 Axis Robot</td><td>01</td></tr><tr><td>9</td><td>Servo Stabilizer (Lathe and Milling)</td><td>02</td></tr><tr><td>10</td><td>Compressor for XLMILL</td><td>01</td></tr></table>			Sl. No.	Name of the Equipment's	Qty.	1	CNC Lathe machine with MTAB industrial control	01	2	Minimal Tooling Package for lathe	01	3	Operation and maintenance tool for Lathe	4	CNC Milling machine with MTAB industrial control	01	5	Minimal Tooling Package for milling	01	6	Operation and maintenance tool for milling	7	Station automatic tool changer	01	8	5 Axis Robot	01	9	Servo Stabilizer (Lathe and Milling)	02	10	Compressor for XLMILL	01
Sl. No.	Name of the Equipment's	Qty.																																	
1	CNC Lathe machine with MTAB industrial control	01																																	
2	Minimal Tooling Package for lathe	01																																	
3	Operation and maintenance tool for Lathe																																		
4	CNC Milling machine with MTAB industrial control	01																																	
5	Minimal Tooling Package for milling	01																																	
6	Operation and maintenance tool for milling																																		
7	Station automatic tool changer	01																																	
8	5 Axis Robot	01																																	
9	Servo Stabilizer (Lathe and Milling)	02																																	
10	Compressor for XLMILL	01																																	
	:																																		

Laboratory Name	<p>Centre of Excellence By Toyota Kirloskar</p>
Room No./Hall No.	<p>LG10</p>
Area	<p>150 m²</p>
Photos	<div data-bbox="501 483 946 925"> </div> <div data-bbox="946 477 1402 925"> </div> <div data-bbox="501 947 920 1361"> </div> <div data-bbox="920 954 1332 1361"> </div> <div data-bbox="513 1384 920 1789"> </div> <div data-bbox="920 1384 1323 1789"> </div>

On Campus Placement 2021

On Campus Placement 2021

Student placed in



**MARVEL VAZ
1RR17ME058**

**CTC Rs.10 Lakhs per annum
Congratulation!!!**

On Campus Placement 2021

On Campus Placement 2021

Students placed in Chegg India



MIR MOHAMMED SAIFUDDIN
1RR17ME059



T R SUSHMITHA
1RR17ME116



I V MANOJ
1RR17ME055



TOUHEED KHAN
1RR17ME119



MARVEL VAZ
1RR17ME058



HEMSAGAR B K
1RR17ME039



SAGAR K B
1RR17ME095



ROHAN K ACHARYA
1RR17ME089



R SANJAY
1RR17ME097



R BALAJI
1RR17ME011



VINAY V
1RR17ME127

On Campus Placement 2021

Students placed in Main Tec



WASIM AHMED M
1RR17ME131



DEEPAK DEVANAND
1RR17ME024



HARIHARAN P
1RR17ME031



HARSHA H K
1RR17ME032



JAGADEESHA K
1RR17ME041

On Campus Placement 2021

Students placed in Technologies Global Pvt. Ltd



ROHAN K ACHARYA
1RR17ME089



MARVEL VAZ
1RR17ME058

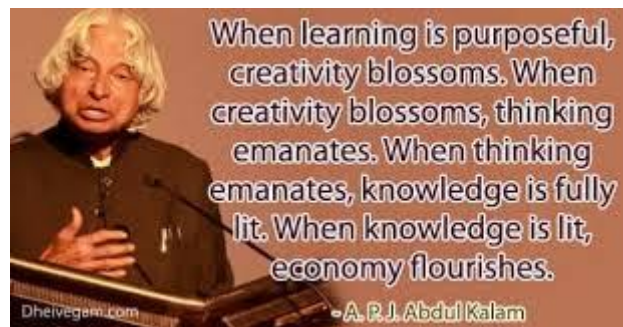
Student placed in Pentagon Space



MK B SAGAR
1RR17ME095

Certificate/ Add-on programs

Academic Year	Name of the Program	Duration	Date	No students attended
2020-21	Six Days Hands on Training Program on CATIA Part Design and Drafting (online Mode)	6 days	04 th to 09 th , Jan, 2021	150
Name of the Resource Persons	1. Mr. Rajendra Reddy S. Regional Manager, South India, Bangalore 2. Dr. Dinesh., Assistant manager Technical Support, Bangalore 3. Dr. Gowressesh S, Associate Professor, JSSATE, Bangalore.			



Department of Mechanical Engineering
RajaRajeswari College of Engineering
#14, Ramohalli Cross, Kumbalagodu, Bangaluru-560074,
Karnataka, India.