

Resonance

October 2023

Volume 28 Number 10

journal of science education



Bibha Chowdhuri and Her Remarkable Scientific Endeavours

Heuristically Sifting Twins * The Hunters in Green *

Non-carbon Skeletal Polymers — Polyphosphazenes *

Folding a Triangle — Optimally * Plant Forensics *

Chasing the Biogenetic Structure of Magnamycin - II

Indian Academy of Sciences







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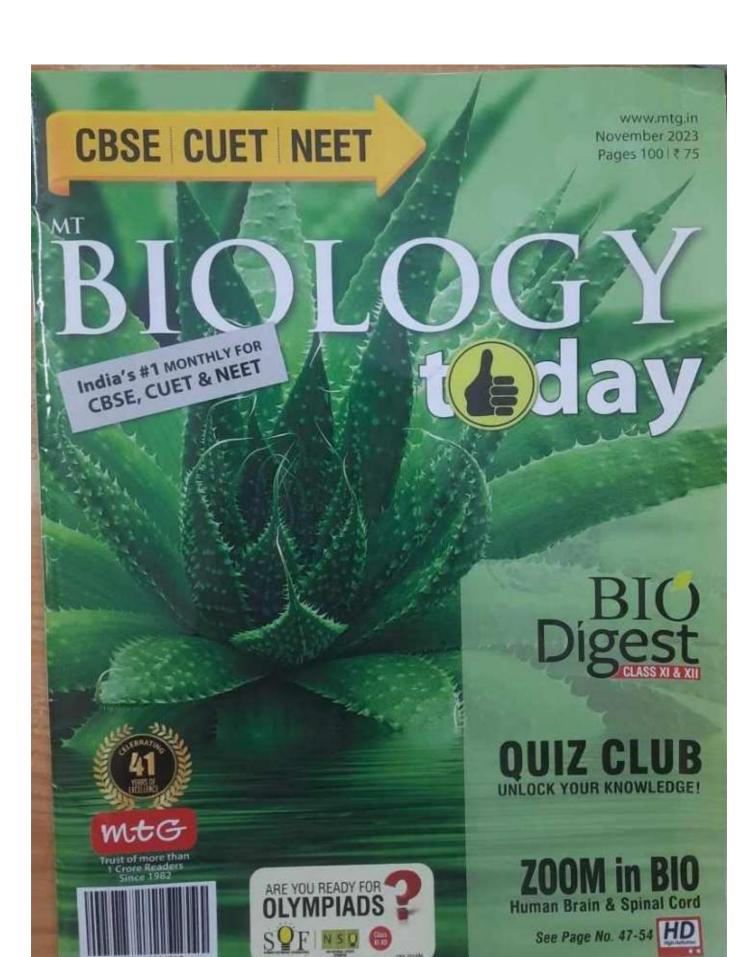
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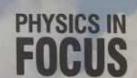
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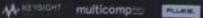
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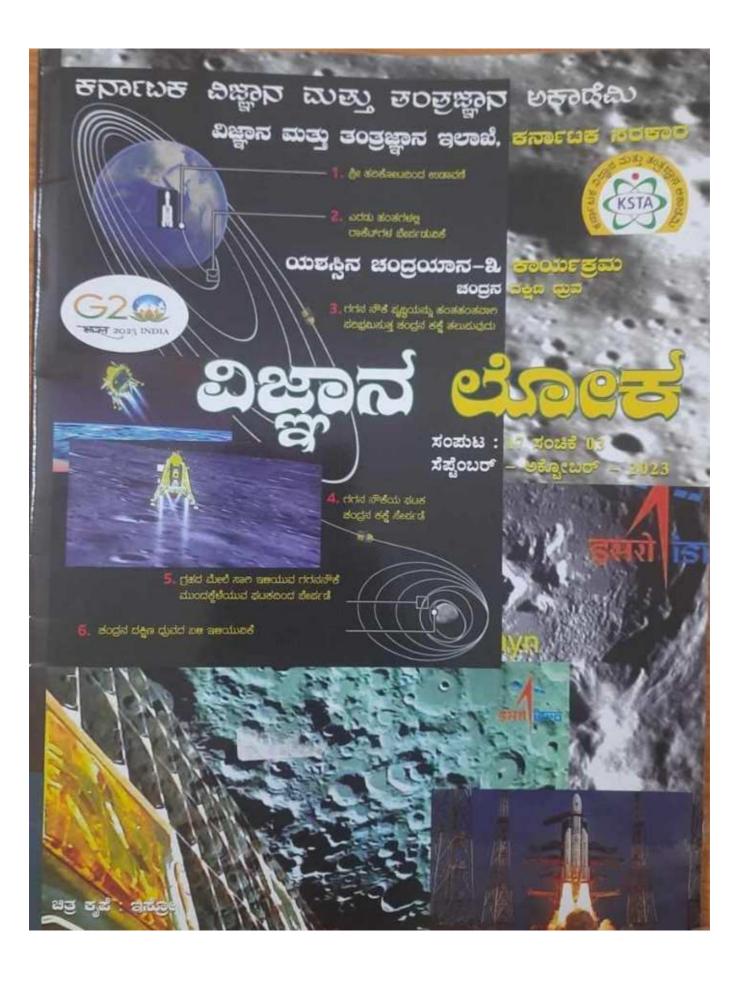




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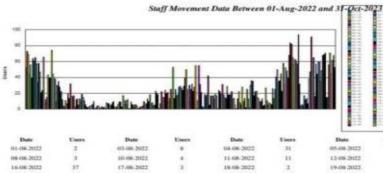
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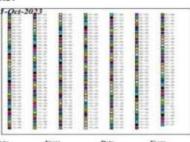
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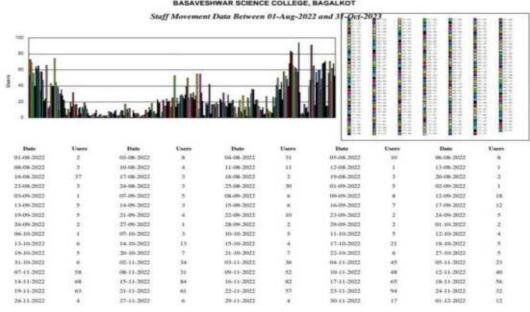
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II Semester B.Sc. 6 (NEP) Degree Examination, September/October - 2022

PHYSICS

Electricity and Magnetism (Regular)

Time: 2 Hours

Maximum Marks: 60

'nstructions to Candidates :

- Calculator is allowed to solve the problems.
- Write intermediate steps.

Answer any Six questions.

 $(6 \times 2 = 12)$

- a. Define curl of a vector.
 - b. State Gauss Divergence theorem.
 - c. What are voltage and current sources?
 - State superposition theorem.
 - e. State Biot Savart law.
 - f. Define peak and r.m.s. values of A.C.
 - g. What is self inductance.
 - Define electric dipole moment.
- 2. Answer the questions 'a and b' OR 'c and d'.
 - a. Define divergence of a vector and explain its physical significance.

(8)

Write a note on Maxwell's equations.

(4)

(OR)

c. Derive General plane wave equation in free space.

(8)

d. State and explain stoke's theorem.

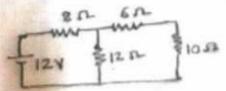
(4)

- 3. Answer the questions 'a and b' OR 'c and d'.
 - a. Derive Maximum power transfer theorem.

(8)

(4)

b. Using Norton's theorem, find the current in 1002 resistor in the network shown below.



P.T.O.

13

(OR)

- Give the theory of growth and decay of current in RL circuit.
- d) A Condenser of capacity 1 μF is first charged then discharged through 1 $M\Omega$ resistored the time in which the charge will fall to 40% of its initial value.
- Answer the questions 'a and b' OR 'c and d'.

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- a) Give construction and theory of Helmholtz Galvenometer.

(OR)

- c) Derive an expression for admittance in parallel LCR circuit using j operator.
- d) A coil of radius 0.2 m and 100 turns carries current of 0.5 amp. Find the magnet field at a point 0.4 m away from the centre of Coil.
- Answer the questions 'a and b' OR 'c and d'.
 - a) Give the theory of Ballistic Galvenometer.
 - b) A capacitor of value of 0.3 μF is charged to 4.5 volts It gives a deflection of 10 c when discharged through a ballistic galvenometer. If the time period of B.G is 12 s calculate the current sensitivity.

(OR)

- Derive the relation between D,E and P in dielectrics.
- d) The first right throw and left throw of B.G. from its mean position are 0.22 m = 0.215 m respectively. Calculate the logarithmic decrement.

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II Semester B.Sc.6. Degree (NEP) Examination, September/October - 2022 CHEMISTRY (DSC) (Regulars)

Time: 2 Hours

Maximum Marks: 60

Instructions to Candidates:

- All questions are compulsory.
- Draw neat diagrams and give equations wherever necessary.
- 1. Answer any Six questions.

 $(6 \times 2 = 12)$

- a. State Fajan's rule.
- b. What is ionic bond? Give two molecules with ionic bond.
- Compare the acidic strength of acetic acid and chloroacetic acid and give the reason.
- Write staggard and eclipsed confirmations of ethane.
- e. Define unit cell.
- Write an expression for the rate constant of second order reaction when concentrations
 of reactants are unequal and mention the terms.
- 8 What is surface tension? How it vary with temperature.
 - h. Write two advantages of organic reagents over inorganic reagents.
- Answer any Three questions.

 $(3 \times 4 = 12)$

- What is lattice energy? Explain the Born Haber cycle for the formation of sodium chloride.
- b. What is covalent bond? Write the general characteristics of covalent compounds.
- c. Write the type of hydridisation and geometry of following molecules.
 - i. SF
 - ii. BF₃.
 - iii. BECL,
 - iv. PCl.
- d. Give the molecular orbital energy level diagram of oxygen molecule and write its electronic configuration and magnetic property.



Answer any Three questions.

 $(3 \times 4 = 12)$

- a. What is optical isomerism? Write the conditions for a molecule to show optical isomerism.
- Explain the following.
 - Enantiomers.
 - Mesocompounds.
- Discuss the rules of assigning E and Z notations for compounds with examples.
- d. Explain:
 - Anhydride formation method of determination of geometrical isomers.
 - ii. Biochemical method of resolution of recimic mixture.
- 4. Answer any Three questions.

 $(3 \times 4 = 12)$

- Explain the following of crystal system.
 - i. Plane of symmetry.
 - ii. Centre of symmetry.
- b. Give the classification and applications of liquid crystals.
- Derive integrated rate equation for second order reaction when concentrations of reactants are equal.
- d. Explain the differential equation method of determination of order of reaction.
- Answer any Three questions.

 $(3 \times 4 = 12)$

- Define parachor. Explain the elucidation of structure of Benzoquinone by parachor values.
- b. Explain the determination of coefficient of viscosity by ostwald's viscometer.
- c. Refractive index and density of Benzene are found to be 1.497 and 0.873 gmcm³ respectively. Calculate specific refraction and molar refraction of Benzene.
 (Given Molecular weight of Benzene = 78).
- d. Give the structure and use of following reagents in inorganic analysis.
 - i. Oxine.
 - ii. DMG
 - iii. Cupron.



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IV Semester B.Sc.5 (CBCS) Degree Examination, September/October - 2022 MATHEMATICS

Vector Calculus, Infinite Series & Differential

Equations (Regular)

Time: 3 Hours

Maximum Marks: 80

Instructions to Candidates:

- Question paper contains 3 parts namely A,B,C.
- Answer all parts.

PART-A

Answer any Ten of the following (2 marks each)

 $(10 \times 2 = 20)$

a) If
$$\vec{u} = t^2 \hat{i} - t \hat{j} + (2t+1)\hat{k} \& \vec{v} = (2t-3)\hat{i} + \hat{j} - t\hat{k}$$
 find $\frac{d}{dt} (\vec{u} \cdot \vec{v})$.

- b) If $\vec{r} = (\cos nt)\hat{i} + (\sin nt)\hat{j}$, where 'n' is a constant & 't' varies show that $\vec{r} \times \frac{d\vec{r}}{dt} = n\hat{k}$.
- c) Show that the vector $(x+3y)\hat{i}+(y-3x)\hat{j}+(x-2z)\hat{k}$ is solenoidal.
- d) If a series $\sum u_n$ is convergent then $\lim_{n \to \infty} u_n = 0$
- e) Test the convergence of $\sum \frac{1}{n^{1+\frac{1}{n}}}$
- f) Define uniform convergence.
- g) State Cauchy's general principle of convergence of series.
- h) Test the convergence of $\sum \frac{x^n}{n^n}$, (x > 0).
- i) Find the complementary function of $\frac{d^2y}{dx^2} + 5\frac{dy}{dx} + 6y = e^{2x}$.
- j) Solve; $(D^2 + 36)y = \sin 2x$



- k) Solve; $x^2 \frac{d^2 y}{dx^2} + x \frac{dy}{dx} 9y = 0$
- Prove that $(1+x^2)\frac{d^2y}{dx^2} + 3x\frac{dy}{dx} + y = 0$ is exact

PART-B

Answer any Four of the following (5 marks each)

(4×5=20)

- 2. If $\vec{a} = (2x^2y x^4)\hat{i} + (e^{xy} y\sin x)\hat{j} + x^2\cos y\hat{k}$ verify that $\frac{\partial^2 \vec{a}}{\partial y\partial x} = \frac{\partial^2 \vec{a}}{\partial x\partial y}$.
- 3. If $\sum u_n \& \sum v_n$ are series of positive terms & $\sum v_n$ is Convergent and there is a positive constant 'K' such that $u_n \le kv_n \forall n > n$ then $\sum u_n$ is also convergent.
- 4. Discuss the convergence of $\sum \left(\frac{n+1}{n+2}\right)^n x^n$
- 5. Solve; $\frac{d^2y}{dx^2} 3\frac{dy}{dx} + 2y = \sin^2 x$.
- 6. With usual notation prove that $\frac{1}{f(D)}xV = x \cdot \frac{1}{f(D)}V \frac{f'(D)}{[f(D)]^2}V$, where 'V' is a function of x.
- 7. Solve; $x^2 \frac{d^2 y}{dx^2} 3x \frac{dy}{dx} + 5y = \sin(\log x)$.

PART - C

Answer any Four of the following (10 marks each)

 $(4 \times 10 = 40)$

- 8. a) Show that the necessary & Sufficient condition for the vector a(t) to have a fixed direction is $a \times \frac{da}{dt} = 0$
 - b) Prove that $\operatorname{div}\operatorname{curl} \widetilde{F} = 0$.



- a) State & Prove Raabe's Test.
 - b) Discuss the convergence of $\frac{1^2 \cdot 2^2}{1!} + \frac{2^2 \cdot 3^2}{2!} + \frac{3^2 \cdot 4^2}{3!} + \frac{4^2 \cdot 5^2}{4!} + \dots$
- State & Prove Leibnitz theorem for convergence of alternating series.
 - b) Define absolute convergence. Test the absolute convergence of $\sum_{n=1}^{\infty} (-1)^n \frac{n^{100}}{2n!}$
- 11. a) With usual notations, prove that $\frac{1}{f(D^2)}\sin ax = \frac{1}{f(-a^2)}\sin ax$, $f(-a^2) \neq 0$.
 - b) Solve; $\frac{d^2y}{dx^2} 2\frac{dy}{dx} + 4y = e^{2x} \cdot \cos x$
- 12. a) Find the condition that the equation

$$P_0 \frac{d^3 y}{dx^3} + P_1 \frac{d^2 y}{dx^2} + P_2 \frac{dy}{dx} + P_3 y = 0$$
 to be exact.

b) Solve;
$$x^2 \frac{d^2 y}{dx^2} - x \frac{dy}{dx} - 3y = x^2 \log x$$



B.V.V. Sangha's

BASAVESHWAR SCIENCE COLLEGE BAGALKOTE



IQAC Initiative

Career Guidance and Placement Cell

organizing Two days Program on

"An insight into Competitive Examinations & Opportunities in Public Sector for Graduates"

President

Dr. S.M. Gaonkar

Principal, Basaveshwar Science College Bagalkote

Resource Persons

Smt. Sadhana Pote

Joint Director, CITE Employment (Employment Wing) State Head, Employment, CITE, Bengaluru

Sri. Pranesh

Employment Officer, Bagalkote

Sri. Gurupadayya Hiremath

District Skill Development Officer, Bagalkote YES & YP of Model Career Centre (MCC), Bagalkote

Date: 10th & 11th Feb. 2023 Place: Hall No-9 Time: 10:30 AM



Smt. Naina Kalyanshetti

Chairperson
Career Guidance and Placement Cell

Sri R. L. Kataraki Student Welfare Officer Dr. Smt. R. S. Mathad IQAC Coordinator

Teaching, Non Teaching Staff and Students



BASAVESHWAR SCIENCE COLLEGE, BAGALKOT

IQAC INITIATIVE

CAREER GUIDANCE & PLACEMENT CELL

Organizing

TWO DAYS WORKSHOP ON

"An insight into Competitive Examinations & Opportunities in Public Sector for Graduates"

Date: 10th & 11th Feb 2023

Venue: Hall No.9

Time: 10:30am

Program Copy

Invocation Song: Pragati and Team

Welcome & Introduction: Smt. Naina Kalyanshetti

Flower Presentation:

To the President Dr.S.M.Gaonkar Principal, Bas. Sci.College

To Resource Persons: Smt. Sadhana Pote State Head Employment CITE, Bengaluru

Sri. Pranesh Employment Officer, Bagalkote

Sri. Gurupadayya Hiremath District Skill Development Officer, Bagalkote

YES & YP of Model Career Centre (MCC) Bagalkote

To Smt. Naina Kalyanshetti Placement Officer, Bas Science College

Inauguration: Watering the Plant by the dignitaries

Key Note Address: Smt. Sadhana Pote

Presidential Remarks: Dr. S. M. Gaonkar

Vote of thanks: Smt. Aishwarya Yadawad

Compeer: Shubhalaxmi S. D



Inauguration of Two clays Workshop on "An insight ento Competitive Examinations and Opportunities in Public Section for Graduates" by Smt. Sadhana Pote, State Head Employment CITE, Bengalurus on 10th February, 2013 with other Digertances



Commendable Speech by our Guest Speaker Smt. Sachana Pote



Flower Presentation to the Guest Speaker



Students gathered while organizing Two days Workshop

B. V. V. Sangha's

Basaveshwar Science College, Bagalkot Career Guidance and Placement Cell

2022-23

Two Days Workshop on

"An insight into Competitive Examinations & Opportunities in Public Sector for Graduates"

Attendance

Class	: B.Sc. V Semester	mester Session I Date: 10-02-2023			
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B.V.V. Sangha Basaveshwar Science College, Bagalkote Career Guidance and Placement Cell 2022-23

Report

Two days Workshop entitled "An insight into Competitive Examinations & Opportunities in Public Sector for Graduates" was organized on 10-02-2023 and 11-02-2023.

It was presided by Dr. S.M. Gaonkar Principal Basaveshwar Science College, Bagalkote. Resource Persons of the Workshop were Smt. Sadhana Pote Joint Director ,State Head CITE Employment , Bengaluru, Sri. Gurupadayya Hiremath District Skill Development Officer, Bagalkote, Sri. Pranesh Employment Officer, Bagalkote , YES & YP of Model Career Centre(MCC), Bagalkote. Presence by Smt. Naina J. Kalyanshetti Placement Officer and our College General Secretary Basavaraj Hugennavar and Ladies Representative Bhagyashree Dalwai.

Guest Speaker Smt. Sadhana Pote inspired students by motivating them about how to attempt Competitive Examinations and how to develop Self Employment Skills in Public Sector? She also conveyed ways of pursuing Government Jobs and what kind of preparation they need to do to achieve it. Brief introduction was given about how to face objective type questions. She stated benefits over Government Job i.e. Job Security, Work-Life Balance, Retirement Benefits, On-Time and Competitive Salary, Medical Benefits, Housing Allowance, Travel Allowance and Societal Status.

Finally students concluded by giving feedback for such a mind blowing talk by Smt. Sadhana Pote which found to be helpful related to students Goals, Life Experiences and Skill Deveopment in all areas in a fruitful way.

Matel IQAC Coordinator

dinator

B.V.V. Sangha's Basaveshwar Science College, Bagalkote Career Guidance and Placement Cell 2022-23

IQAC Initiative

2 days' Workshop on

"Central and State Government Recruitment"

organized by

PACE ACADEMY, DHARWAD for B.C.A, B.Sc.(CS) & B.Sc.(CS Opt.) IV Semester Students

President

Dr. S. M. Gaonkar Principal Bas. Science College, Bagalkote

Chief Guest

Shri. Parashwanath Palabhavi Director
PACE ACADEMY, Dharwad

IQAC Coordinator

Dr. D.S. Lamani Asso Professor Dept. of Chemistry

Presence

Shri. R.L. Kataraki Student Welfare Officer & HOD

Dept. of Physics

Presence

Smt. S.S. Karishankari Criteria Head-5 & Asst Professor
Dept. of Chemistry

Presence

Shri. Praveen S. Akkimaradi HOD

Dept. of Computer Science

Training and Placement Officer

Smt. Naina J. Kalyanshetti

Dept. of Computer Science

Date: 16th & 17th June 2023 Venue: Hall No: 4 Time: 10:30 am

MY PROFILE



Name: Parshwanath D Palabhavi

DOB : 24/11/1974

B.Sc: (Karnataka University)

Teaching Experience in Competitive Exam Since 2006:

In Various IAS and KAS
Coaching Institutes
(Hariprasad's, UCC, JICE Institute
Spardha Chaithra, Bangalore)
(Teaching in bilingual)

(Renowned Institute in Dharwad)

Specialised in Indian Constitution, Mental Ability, Public Administration

Bank Exams: Quantitative Aptitude, Reasoning.

Mob: 9448298559

9980900185

E-mail: pdparshwa@gmail.com



Two days Workshop on "Central and State Gout. Recruitment" for B.Sc. II, B.C.A IX and B.Sc. (CS Opt) IX Somester Students



Inauguration by Watering the plant from the dignitaries



Informative Session by Shri Parashwanath Palabhari



Students gathered during the Workshop

B. V. V. Sangha's Basaveshwar Science College, Bagalkot Career Guidance and Placement Cell 2022-23

2 days' Workshop on

"Central and State Government Recruitment"

Attendance B.Sc. (CS Opt.) IV Semester 16-06-2023				
Sl. No.	Reg.No.	Name of the Student	Sign	
01	U155P21SO296	Mohammad Arif I Kolhax	AA -	
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03	U15JP2150376	Sachin . Pujari	Soch.	
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14	UISJP2150472	Jaimini P. Angadi	J. P. Angadi	
15	U15TP01S0347	RANJITA AMBORE	Antos	
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17	U15JP21503A5	Rakshita. Patil	Ratifle	
		P		
		Principal, B.V.V.S.'s Basaveshw Science College, Baga	ar	
		Science Lunege, Baga		

B.V.V. Sangha Basaveshwar Science College, Bagalkote

Career Guidance and Placement Cell 2022-23

Report

Two days Workshop on "Central and State Government

Recruitment"

16-06-2023 and 17-06-2023

Resource person Shri. Parashwanath Palabhavi, Director, PACE ACADEMY, Dharwad had conducted Two days Workshop on "Central and State Government Recruitment".

Responsibility of the Central Government in the field of education has been very important even though education has remained a State subject. The Central government plays a major role in determining the various policies, plans, programs and priorities relating to education in India.

Sir delivered the primary benefits of a government job are job security, better salary and Retirement life, a provident fund, Insurance and Pension. The government recruits youth for it to function the following important agencies.

- · Staff Selection Commission
- Institute of Banking Personnel Selection (IBPS)
- · Union Public Service Commission
- Railway Recruitment Board
- · Defence Services
- · Para Military Force
- · Police Force
- Public sector Undertakings

Students found it beneficial by acquiring such important information at very essential time. Total 188 students attended on 16-06-2023 and 99 students attended on 17-06-2023.

IQIACCOOPINATOR

Basaveshwar Science College

Bagalkot.

B. V. V. S's Basarestma-Science College, Gagalkot

Two days Workshop on "Getting started with Android using Kotlin"

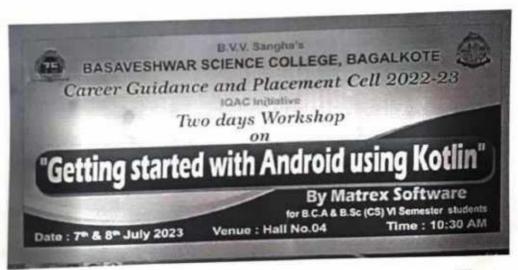
Date: 07-07-2023 & 08-07-2023

Course: BCA & B.Sc. (CS) Final year Students

Resource Person: Shri. Ashish Zingade Senior Software Engineer, Dynatrace, U.S.A.

No of students participated: 120

Two days Workshop on "Getting started with Android using Kotlin" as it is part of MoU, it was inaugurated by President: Prof. R.L. Kataraki Student Welfare Officer, Resource Person: Shri. Ashish Zingade, IQAC Coordinator: Dr. D. S. Lamani & Placement Officer: Smt. Naina J. Kalyanshetti on 07-07-2023 & 08-07-2023 for BCA & B.Sc(CS) final year students. Workshop session from 10:30 am to 5:00pm.





SHISH ZINGADE

Serior Software Developer astichzingsde@gmail.com +91-8971115394

https://github.com/ashishvz https://www.linkedin.com/in/ash-shzingade/

Senior Software Engineer, Dynatrace

Experience

- Snapbizz Cloudtech Pvt Ltd
 Senior Software Developer < -- Android Developer
 Sent-2020 to Present
 - Leading two products across the company with total userbase of more than 2M.
 - Integrated features which increases the performance of the application and provide a seamless experience to the end user.
 - Integrated payment gateway integration for ups machines.
 - Integrated amazon order processing in to the pos-systems.
 - Stabilized the apps and made the app compliant to new play store rules.
 - Decreased the download time by 85%.
 - Migrated to AndroidX.
 - Integrated Work Managers into the app replacing Async Task.
 - Agamin Innovations Pvt Ltd Associate Software Engineer

Aug-2019 to Jan-2020

- Core team member of the company helped in architecting the HR analytics platform.
- Helped in in designing and architecting apps based on web and mobile.

Blute Labs Pvt Ltd SDE Intern

Jun-2019 to Aug-2020

 Conceptualized and developed prototypes for health care android application.

Education

- New Horizon College of Engineering, Bangalore
 Masters of Computer Application, CGPA 8.45
 Graduated: May-2021
- Basaveshwara Science College, Bagalkot
 Bachelors of Computer Application, 84.92%
 Graduated: May-2019

Java/Kotlin

MVVM/MVC

COPS

Dependency Injection (Hilt)

Room DB

SQL SQL Cipher

Rest APIs

Git

Network Library (OkHttp, Retrofit)

SOKs

Firebase

Push Notifications

Coroutines

Material Design

Multi-Threading/ Concurrency

Prototyping & Designing (Adobe XD & Figma)

App release management/ Play Store Releases

Projects/ Apps

- · SnapBilling Link
- Snapbizz TOTO Link
- · PredictQ Link
- · BillSplitz Link
- · Atlys Link
- Aphasia Communication Board Link
- Covid 19 Tracker Link
- Warkout App Link
- Eye Diagnosis <u>Link</u>
- AirHexa (Jatayu) A quadcopter for last mile delivery using facial recognition and multi-level parcel delivery - Link, Video

Volunteer Experience

- Google Developer Group, Hubli Tech Speaker.
- Volunteer Instructor for Android @ New Horizon College of Engineering.
- Volunteer Instructor for Android @ Basaveshwara Science College.



Inauguration Session by Chief Guest and other dignitaries



Students gathered for Workshop





B. V. V. Sangha's Basaveshwar Science College, Bagalkot Career Guidance and Placement Cell 2022-23

Two days Workshop on "Getting started with Android using Kotlin"

Attendance (08-06-2023)

		Attendance (08-06-2023)	
Sl. No. Reg.No.		Name of the Student	Sign
1	M2020818	Arupa. S. Godedgoudos	-09
2	M2020889	Sono. B. Mahandar	
3	M2020832	chelono S. Hebli	C48
Ц	M9020907	Soumya . S. Unhi	Sorkin
5	M 2020 821	Balaggouda R. Roser	See See
6	M2020806	AKASH. B. HARTI	A.B. Hasti
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9	52081002 (BCS)	Jyoti. S. H	au.
10	52021004 (BCS)	Proja. R. K.	Jels .
1 t	M2020802	Abhijit Shah	@Hart
22	M2020811	Anand Hadapad	APP
13	M2020883	Roopa Desai	20
14	M2020849	Mabub? Wal? kas	MD_
15	M2020916	Vasdnow Ankad	Unish
16	M3030914	Tagdees Afghan	gie.
17		Shantkumax	Ste
18	M2020912	Swats M pujari	Dujari
19	M2020 870.	Prevana R Josha	Bi
20	M2020864	Pooja.M. Dadibavi	Pud
21	M20908848	Laxme S. Nails	Prait
20	M2020847	Laxmi M. B	Liberty
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B.V.V. Sangha Basaveshwar Science College, Bagalkote Career Guidance and Placement Cell 2022-23

Report

Two days Workshop on "Getting started with Android using Kotlin"

07-07-2023 and 08-07-2023

Resource person Shri. Ashish Zingade, Senior Software Engineer, Dynatrace Company, U.S.A. He delivered Kotlin is an expressive and concise programming language that reduces common code errors and easily integrates into existing apps. If you're looking to build an Android app, he recommended starting with Kotlin is to take advantage of its best-in-class features. Students were trained to build an Android application on their own. They learnt advanced features to develop a website as well.

Kotlin includes apps like Maps, Home, Play, Drive, and Messages. It is also becoming more and more universal, so we will be able to transfer our app from one platform to another if need be. Lastly, the framework is new, efficient, and exciting, which attracts good developers. It enables the implementation of the same tasks with less time and effort. When the code is more simple and easy-to-understand, errors are more difficult to make and much easier to find, so the chances for them significantly decrease.

Total 89 students attended session on 07-07-2-23 and 48 students attended session on 08-07-2023

IUAC Coordinator

Basaveshwar Science College

Bagalkot

B. V. V. S's Basareshwa. Science College, Gagula

Phone No. 0831 2565293 206 239

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RANI CHANNAMMA UNIVERSITY

Vidya Sangama, National Highway - 04, Belagavi - 591156 E-mail (curegistra) (Egmail com Website, www.rcub.ae, in 6/05/4000

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Date 25-08-2012

OFFICE ORDER

Sub: Recognition of Basaveshwara Science College, Bagalkot as Research Centre

Ref: 1. Recommendation of Committee constituted for recognizing Basaveshwara Science College, Bagalkot as Research Centre

Syndicate Resolution No. 2012/08/18, dated 25-08-2012.

3. Vice-Chancellor's order dated: 25-08-2012.

With reference to the above I am directed to inform you that, the Vice-Chancellor is pleased to gram Research Centre to Basiveshwara Science College, Bagalson to undertake research leading to the award of Ph.D Degree in Physics and Computer Science as per regulations Governing Doctoral Degree Programme (Ph.D) from time to time with the following conditions:

CONDITIONS FOR RESEARCH CENTRE:

- 1. The Management shall earmark funds specifically for research purpose.
- 2. The lab in Computer Science and Physics needs to be upgraded.
- The existing competent faculty members need to apply and obtain the research Guideship from Rani Channamma University, Belagavi.
- 4. Identify funding agencies to undertake major and minor research projects.
- Back volumes of the journals in which the Institution intends to focus research needs to be collected.
- A number of theses published in the book form need to be collected in the Library for the benefit of the students.
- An amount of Rs. 5 lakhs should be earmarked for the purchase of books and journals useful for research.
- 8. A Co-ordinator for the Research Centre must be appointed
- The Institution shall have a Research Advisory Committee comprising of both internal and external experts.
- Infrastructure facilities are sufficient however separate space for the research cell need to be earmarked and developed.
- 11. The Department shall regularly subscribe to at least two National and two International Journals [in printed form or electronic form] in the relevant field of Research. In addition the Institution shall also have subscription to Digital libraries.

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Registrar 25-8 2

B.V.V. Sangha's

College Code: 6204 (UG) 9614 (PG)



BASAVESHWAR SCIENCE COLLEGE

BAGALKOT - 587 101 Karnatuka State

ACCREDITED AT "B" GRADE BY NAAC

College with Potential for Excellence

Dr. S. M. Gaonkar M.Sc., Ph.D. Principal

email : bscbgk@yahoo.com

website: www.bsc.ac.in

Office: 08354-220549, Fax: 08354-220549, Cell: 9448876176, 9483943984

Ref. No. BSCB/

Date: 12 - 06 - 2023

Facilities Available in Bharat Ratna Prof. C. N. R. R. Rao Research Centre

- · FT-Infra Red Spectrometer
- UV-Visible Spectrometer
- · HPLC-High Performance Liquid Chromatography
- Cyclic Voltammeter
- · Ultrasonic Interferometer
- · K-band and X-band microwave benches
- Dielectric constant measuring unit for liquids
- · Rota evaporator
- Spectrum Analyzer
- 50 MHz Digital Storage Oscilloscope
- Contact angle

B. V. V. S's Baurrordman Science College, Bagallas P.B.No: 48



B.V.V. Sangha's

BASAVESHWAR SCIENCE COLLEGE

BAGALKOT - 587 101 Kernutaka State ACCREDITED AT "B" GRADE BY NAAC

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2022-2023 Ref. No. BSCB/ __

Date: 18-07-2023

College Code: 6204 (UG)

9614 (PG)

Advisory Committee

Chairman

1) Prof. B. G. Mulimani

Former Vice-Chancellor, Gulbarga University, Kalaburgi & Chairman -Advisory Committee, Bharat Rama Prof. C.N.R. Rao Research Center, Basaveshwar Science College, Bagalkote

Members

1) G. S. Sulibhavi

Chairman, C. G. C. B. V. V. Sangha, Bagalkote

2) Dr. Meena R. Chandawarkar

Chief Advisor, , B. V. V. Sangha, Bagalkote

3) Dr. S.M.Gaonkar

Director & Principal, Basaveshwar Science College, Bagalkote

4) Prof. M. K. Rebinal

Karnatak University, Dharwad

5) Prof. B. G. Hegde

Rani Channamma University, Belagavi

6) Prof. J. Manjanna

Rani Channamma University, Belagavi

7) Dr. B. N. Kirasur

(Retd) Basaveshwar Scince College, Bagalkote

8) Dr (Smt) R. S. Mathad

Deputy Registrar, Bagalkot University, Jamakandi

9) Dr. D. S. Lamani

Secretary & IQAC Coordinator, Hasaveshwar, Science College, Bagatkote

10) Dr. V.S. Hegde

Coordinator PG Center, Basaveshwar Science College, Bagalkote

11) Dr. M. B. Patil

PG Center, Basaveshwar Science College, Bagafkote

Basaveshviar Science Cellege BAGALHOT



ಕರ್ನಾಟಕ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಪ್ರೋತ್ಸಾಹಕ ಸೊಸೈಟ

ಮಾಹಿತಿ ತಂತ್ರಹ್ನಾನ, ಹೈವಿಕ ತಂತ್ರಹ್ನಾನ ಹಾಗೂ ವಿಹ್ನಾನ ಮತ್ತು ತಂತ್ರಹ್ನಾನ ಇಲಾಖೆ, ಕರ್ನಾಟಕ ಸರ್ಕಾರ 'ವಿಹ್ನಾನ ಧವನ' ನಂ: 24/2, 3ನೇ ಮತಡಿ, 2ನೇ ಮುಖ್ಯ ರಸ್ತೆ, ಏನಶಂಕಂ 2ನೇ ಹಂತ, ಎಂಗಳೂರು-೨೬೦ ೦೧೦ ದೂರವಾಣಿ/ಫ್ಯಾಂಕ್ಸ್: 080-26711166 /26711160 ಇ-ಮೇಲ್: ksteps.dst@gmail.com

ಡಾ. ಹೆಚ್. ಹೊನ್ನೇಗೌಡ ಸರ್ಕಾರದ ವಿಶೇಷ ಕಾರ್ಯದರ್ಶಿ (ತಾಂತ್ರಿಕ), ವಿತಂಇ/ ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕಸ್ಟೆಪ್ಲ್

ನಂ. KSTePS/VGST/K-FIST (L2) Additional/2014-15/GRD-341/23/19-20 ದಿನಾಂಕ: 30.05.2020 ಮಾನ್ಯರೇ,

ವಿಷಯ: ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಪ್ಪಾನ ದಾರ್ಶನಿಕ ಸಮೂಹದ K-FIST (L2) Additional ಯೋಜನೆಯಡಿಯಲ್ಲ ಎರಡನೇ ಕಂತಿನ ಅನುದಾನ ಅಡುಗಡೆ ಮಾಡಿರುವ ಬಗ್ಗೆ.

ವಿಹ್ವಾನ ಮತ್ತು ತಂತ್ರಹ್ವಾನ ಇಲಾಣಿಯು, ಪ್ಯಾತ ವಿಹ್ವಾನಿ ಭಾರತರತ್ನ ಪ್ರೂಫಸರ್ ಸಿ.ಎನ್.ಆರ್. ರಾವ್. F.R.S. ರವರ ಅಧ್ಯಕ್ಷತೆಯಲ್ಲ ವಿಹ್ವಾನ ಮತ್ತು ತಂತ್ರಹ್ವಾನ ದಾರ್ಶನಿಕ ಸಮುಹ (ವಿತಂದಾಸ) ವನ್ನು 2008ರಲ್ಲ ಸ್ಥಾಪಿಸಿದ್ದು, ಈ ಯೋಜನೆಯಡಿ ಹಲವಾರು ವೈಟ್ಟಾನಿಕ ಕಾರ್ಯಕ್ಷಮಗಳನ್ನು ಕಳೆದ 11 ವರ್ಷಗಳಂದ ರಾಜ್ಯಾದ್ಯಂತ ಯಶಸ್ವಿಯಾಗಿ ಅನುಷ್ಠಾನಗೊಳಿಸಿಕೊಂಡು ಬರುತ್ತಿರುವುದು ಸರಿಯಷ್ಟೆ. 2014–15ನೇ ಸಾಲನಲ್ಲ ತಮ್ಮ ಸಂಸ್ಥೆಯಿಂದ ಸಲ್ಲಸಿದ ಪ್ರಸ್ತಾವನೆಯಾದ "Establishing Research Laboratory for the Synthesis and characterization of Transition Metal complexes with hydrazine ligands and to study its biological activity"ನ್ನು ವಿತಂದಾಸದ ಪ್ರಮುಖ ಕಾರ್ಯಕ್ರಮವಾದ Karnataka Fund for Infrastructure Strengthening in Science & Technology in Higher Education Institutions (KFIST L2) ಅಡಿಯಲ್ಲ ದಾರ್ಶನಿಕ ಸಮೂಹವು ಆಯ್ಕೆ ಮಾಡಿ, ಸರ್ಕಾರ ಆದೇಶ ನೀಡಿರುವುದು ತಮಗೆ ತಿಳಿದ ವಿಷಯವಾಗಿದೆ.

ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆಯ ಅಂಗ ಸಂಸ್ಥೆಯಾದ ಕರ್ನಾಟಕ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಮೈಕಾತ್ರಹಕ ಸೊಸೈಟ (ಕೆಸ್ಟೆಜ್ಜ್) ಯನ್ನು 2016–17ನೇ ಸಾಅನಿಂದ ದಾರ್ಶನಿಕ ಸಮೂಹದ ಕಾರ್ಯಕ್ರಮಗಳ ಉಸ್ತುವಾರಿ ಸಂಸ್ಥೆಯಾಗಿ ನೇಮಿಸಲಾಗಿದೆ. ಅದುದರಿಂದ, ತಮ್ಮ ಸಂಸ್ಥೆಯಿಂದ ಆಯ್ಕೆಗೊಂಡ ಪ್ರಸ್ತಾವನೆಗೆ ಎರಡನೇ ಕಂತಾಗಿ ರೂ. 20.00 ಲಕ್ಷಗಳ ಅನುದಾನವನ್ನು ಕೆಸ್ಟೆಪ್ಟ್ ನಿಂದ SB-PUB, B.V.V.S.Basaveshwar Science college, Bagaikot ಹೆಸರಿನ ಖಾತೆಗೆ RTGS (UTR NO: SBINR52020052900096631) ಮೂಲಕೆ ದಿನಾಂಕ: 29.05.2020 ರಂದು ಜಡುಗಡೆ ಮಾಡಲಾಗಿದೆ. ಅನುವಾನ ತಮ್ಮ ಪಾತೆಗೆ ಜಮಾವಾಗಿರುವ ಬಗ್ಗೆ ಸ್ಟೇಕೃತ ರಶೀದಿ (Acknowledgement) ಯನ್ನು ಕೆಸ್ಟೆಪ್ಟ್ ಸಂಸ್ಥೆಗೆ ಕಳುಹಿಸುವುದು.

ಕೇಗಾಗಲೇ ಜಡುಗಡೆ ಮಾಡಲಾಗಿರುವ ಮೊದಲನೇ ಕಂತಿನ ಅನುದಾನದಲ್ಲ ಉಳಕೆಯಾಗಿರುವ ಮೊತ್ತ ಹಾಗೂ ಬಡ್ಡಿಯ ಮೊತ್ತ ಸೇರಿ ಒಬ್ಬ ಉಳಕೆಯಾಗಿರುವ ರೂ. 3.03.042/–ಗಳನ್ನು ಮತ್ತು ಪ್ರಸ್ತುತ ಜಡುಗಡೆ ಮಾಡುತ್ತಿರುವ 2ನೇ ಕಂತಿನ ಅನುದಾನದ ಜೊತೆ ಸೇರಿಸಿಕೊಂಡು ಈ ಕೆಳಕಂಡ ಷರತ್ನು ಮತ್ತು ನಿಬಂಧನೆಗಳನ್ವಯ ಉದ್ದೇಶಿತ ಯೋಜನೆಗೆ ಮಾತ್ರ ಬಳಸಿಕೊಳ್ಳುವುದು.

Inwad Ref No - 13/2020-21 15-06-2020

ಷರತ್ತು ಮತ್ತು ನಿಬಂಧನಗಳು:

- ಸದರಿ ಪತ್ರದೊಂದಿಗೆ ಲಗತ್ತಿಸಿರುವ ನಮೂನೆಯಜ್ಞರುವಂತೆ ಪ್ರಾಯೋಕತ್ವದ ಸಂಸ್ಥೆ/ಇಲಾಖೆಯ ಹೆಸರನ್ನು ಕಡ್ಡಾಯವಾಗಿ ತಮ್ಮ ಸಂಸ್ಥೆಗಳಲ್ಲ ಸ್ಥಾಪಿಸಲಾಗಿರುವ ವಿತಂದಾಸದ ಸಂಶೋಧನಾ/ಬೋಧನಾ ಕೇಂದ್ರಗಳಲ್ಲ ಕಡ್ಡಾಯವಾಗಿ ಬ್ಯಾನರ್/ಬೋರ್ಡ್ ಅನ್ನು ಅಳವಡಿಸುವುದು.
- 2) ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ದಾರ್ಶನಿಕ ಸಮೂಹವು ವಿವಿಧ ಶೀರ್ಷಿಕೆಗಳಿಗೆ ಅನುಗುಣವಾಗಿ ಅನುಮೋದಿಸಿರುವಂತೆ ಕರ್ನಾಟಕ ಸಾರ್ವಜನಿಕ ಸಂಗ್ರಹಣೆಯಲ್ಲ ಪಾರದರ್ಶಕತೆ ಅಧಿನಿಯಮ 1999ರ (KTPP ACT) ನಿಯಮಾನುಸಾರ ವೆಚ್ಚೆ ಮಾಡುವುದು.
- 3) ಸದರಿ ಕಾರ್ಯಕ್ರಮದ ಅನುಷ್ಠಾನಕ್ಕೆ ಬಡುಗಡೆ ಮಾಡಲಾಗಿರುವ ಮೊದಲನೇ ಕಂತಿನ, ಅನುದಾನದಲ್ಲ ಉಳಿಕೆಯಾಗಿರುವ ಮೊತ್ತ ಮತ್ತು ಅದಕ್ಕೆ ಬಂದಂತಹ ಬಡ್ಡಿ ಮೊತ್ತವನ್ನು ವಿತಂದಾಸದ ಕಾರ್ಯಕ್ರಮಗಳ () ನಿಯಮಗಳನ್ವಯ ತಾವು Financial Status Proforma (FSP) ನಲ್ಲ ಸಲ್ಲಸಿ, ಕೆಸ್ಟೆಪ್ಸ್/ವಿತಂದಾಸದ ಪೂರ್ವ ಅನುಮತಿ ಪಡೆದು ಉದ್ದೇಶಿತ ಕಾರ್ಯಕ್ರಮಕ್ಕೆ ಬಿಡುಗಡೆ ಮಾಡಲಾಗುವ ಮುಂದಿನ ಕಂತುಗಳ ಅನುದಾನದ ಜೊತೆ ಸೇರಿಸಿಕೊಂಡು ಬಳಸಿಕೊಳ್ಳುವುದು.
- 4) ಅಲ್ಲದೆ, ಪ್ರಸ್ತುದಲ್ಲ ಐಡುಗಡೆ ಮಾಡುವ ೭ನೇ ಕಂತಿನ ಅನುದಾನವನ್ನು ಬ್ಯಾಂಕಿನಲ್ಲ ಉಳತಾಯ ಪಾತೆಯಲ್ಲಟ್ಟು ಅಗತ್ಯಕ್ಕೆ ಅನುಗುಣವಾಗಿ ಅನುದಾನ ಬಳಸಿಕೊಳ್ಳುವುದು ಹಾಗೂ ಸದರಿ ಅನುದಾನದಲ್ಲ ಬಂದ ಬಡ್ಡಿ ಹಣವನ್ನು ಸಹ ನಿಗಧಿತ ನಮೂನೆಯಾದ FSP ನಲ್ಲ ಸಲ್ಲಸಿ ಕೆಸ್ಟೆಪ್ಸ್/ವಿತಂದಾಸದ ಅನುಮತಿ ಪಡೆದು ಉದ್ದೇಶಿತ ಕಾರ್ಯಕ್ರಮಕ್ಕೆ ಬಳಸಿಕೊಳ್ಳುವುದು.
- 5) ಪ್ರತಿ 6 ತಿಂಗಳಗೊಮ್ಮೆ ಕಡ್ಡಾಯವಾಗಿ ಕಾರ್ಯಕ್ರಮದ ಪರದಿಯನ್ನು ಸಲ್ಲಸುವುದು.
- 6) ಸದರಿ ಅನುದಾನ ಜಡುಗಡೆಯಾದ ದಿನದಿಂದ ಒಂದು ವರ್ಷದ ಕಾಲಮಿತಿಯೊಳಗೆ ಅನುದಾನವನ್ನು ಬಳಸಿಕೊಂಡು ಉದ್ದೇಶಿತ ಕಾರ್ಯಕ್ರಮವನ್ನು ಧೇಯೋದ್ದೇಶಗಳನ್ನಯ ಅನುಷ್ಠಾನಗೊಳಸಿವುದು. ()
- 7) ಅಡುಗಡೆಯಾದ ಅನುದಾನವನ್ನು ಐಕಸಿಕೊಂಡ ನಂತರ ನೊಂದಾಯಿತ ಲೆಕ್ಕಪರಿಶೋಧಕರಿಂದ ಆಡಿಟ್ ಮಾಡಿಸಿ, ಸದರಿ ಪತ್ರದೊಂದಿಗೆ ಲಗತ್ತಿಸಿರುವ ನಮೂನೆ (Format) ಯಲ್ಲ ಉಪಯೋಗತಾ ಪ್ರಮಾಣಪತ್ರವನ್ನು (ದ್ವಿಪ್ರತಿಯಲ್ಲ) ಮತ್ತು ವರದಿಯನ್ನು ಕಸ್ಟೆಪ್ಸ್ ಸಂಸ್ಥೆಯ ವಿಶ್ವಾನ ಮತ್ತು ತಂತ್ರಪ್ಪಾನ ದಾರ್ಶನಿಕ ಸಮೂಹ ವಿಭಾಗಕ್ಕೆ ನೀಡುವುದು.
- 8) ಸಂಸ್ಥೆಯ ಮುಖ್ಯಸ್ಥರು ಮತ್ತು ಕಾರ್ಯಕ್ರಮ ಸಂಯೋಜಕರು ಯೋಜನೆಗೆ ಸಂಬಂಧಪಟ್ಟ ಎಲ್ಲಾ ಲೆಕ್ಕ ಪತ್ರಗಳನ್ನು ಸಂರಕ್ಷಿಸಿಡುವುದು ಹಾಗೂ ಸರ್ಕಾರದ ಮಹಾಲೇಖಪಾಲಕರು ಅಥವಾ ಕೆಸ್ಟೆಪ್ಟ್ ಸಂಸ್ಥೆಯು ತಪಾಸಣೆ ಹಾಗೂ ಮೌಲ್ಯಮಾಪನಕ್ಕಾಗಿ ಕೋರಿದಾಗ ದಾಖಲೆಗಳನ್ನು ಒದಗಿಸುವುದು.

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- 9) ಅಲ್ಲದೆ. ಈ ಯೋಜನೆಯ ಅನುಷ್ಠಾನಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ ಪ್ರತ್ಯೇಕವಾದ ದಾಖಲೆ ಮಸ್ತಕವನ್ನು ಸಹ ನಿರ್ವಹಿಸುವುದು.
- 10) ಕೆಸ್ಟೆಪ್ಸ್/ವಿತಂದಾಸದ ಅಧಿಕಾರಿಗಳಂದ ಕಾರ್ಯಕ್ರಮದ ಅನುಷ್ಠಾನ ಮತ್ತು ಪ್ರಗತಿಯ ಬಗ್ಗೆ ಭೇಟ ನೀಡಿ ಪರಿಶೀಅಸಲಾಗುವುದು.

ವಂದನೆಗಳೊಂದಿಗೆ.

ತಮ್ಮ ವಿಶ್ವಾಸಿ,

ವ್ಯವಸ್ಥಾಪಕ ಸಿರ್ದೇಶಕರು

ಇವರಿಗೆ, Principal B.V.V.S. Basaveshwar Science College Bagalkot - 587101

ಪ್ರತಿಗಳು:

- 1) Ør. B. N. Kirasur, Department of Chemistry, B.V.V.S. Basaveshwar Science college Bagalkot - 587101
- 2) ಡಾ॥ ಎಸ್. ಜಿ. ಶ್ರೀಕಂಠೇಶ್ವರ ಸ್ವಾಮಿ, ಸಮಾಲೋಚಕರು, ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಪ್ಜಾನ ದಾರ್ಶನಿಕ ಸಮೂಹ, 7ನೇ ಮಹಡಿ, 4ನೇ ಹಂತ, ಬಹುಮಹಡಿ ಕಟ್ಟಡ, ಬೆಂಗಳೂರು– 01 ಇವರ ಅವಗಾಹನೆಗೆ ಮತ್ತು ಸೂಕ್ತ ಕ್ರಮಕ್ಕಾಗಿ



ಆರ್ನಾಟಕ ವಿಜ್ಞಾನ ಮತ್ತು ಕಂಕ್ರಜ್ಞನ ಪ್ರೋತ್ಯಾಕಕ ಹೊಗ್ಗಲ

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'ರಜ್ಞಾನ ಚಲನ' ನನ್ನ 24.2, ಎರೆಕ ಮಚಿತ್ರಿ, ಎನೇ ಮುಖ್ಯ ರನ್ನೆ ಬಸಲಾಗಿಕೆ ನಿರ್ದೇಶಕ ವಿರಗಳಿಸಿದು-ಕಿನದಿಂಗರ ದೂರವಾನ: 000-26711166 ಇ -ದುರು: ksteps.ext.cgmalt.com

(Man

ಸಂದ್ಯೆ ಕಸ್ಕಪ್ಪ/ ವಿತಂದಾಸ /K-FIST L1/GRD No. 951/2020-21/86

ದಿನಾಂಕ ಚನಸ್ 26, 2021

ಇವರಿಗೆ: ಡಾ|| ಮಲ್ಲಿಕಾರ್ಜು ನಗೌಡ ಪಾಟೀಲ್, ಸಹಾಯಕ ಪ್ರಾಧ್ಯಾಪಕರು, ಪಿಜೆ ರಸಾಯನಶಾಸ್ತ್ರ ವಿಭಾಗ, ಬಸವೇಶ್ವರ ವಿಜ್ಞಾನ ಕಾಲೇಜು, ಬಾಗಲಕೋಟೆ, ವಾರ್ಡ್ ಸಂಖ್ಯೆ 10, ಬಾಗಲಕೋಟೆ - 587 101.

ಮಾನ್ಯರೇ,

ವಿಷಯ: 2020-21ನೇ ಸಾಲಿನ ವಿತಂದಾಸ ಯೋಜನೆಯಡಿ ಪ್ರಸ್ತಾವನೆ ಆಯ್ಕೆಯಾಗಿರುವ ಬಗ್ಗೆ. ಉಲ್ಲೇಖ: 1) ವಿತಂದಾಸ ಅರ್ಜಿ ಆಹ್ಮಾನ ಜಾಹೀರಾತು ಸಂಖ್ಯೆ: DST/KSTePS/VGST/2020-21 ದಿನಾಂಕ: 21.01.2021

2) ಸರ್ಕಾರಿ ಆದೇಶ ಸಂಖ್ಯೆ: ಐಟಿ ಬಿಟಿ 185 ಎಸ್ ಟಿ ಎಸ್ 2021, ಬೆಂಗಳೂರು, ದಿನಾಂಕ: 25.08.2021

ಮೇಲ್ನಂಡ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ ಭಾರತ ರತ್ನ ಪ್ರೊ ಸಿಎಸ್.ಆರ್. ರಾವ್ ಎಫ್.ಆರ್.ಎಸ್. ರವರ ಅಧ್ಯಕ್ಷತೆಯಡಿ ರಚಿಸಲಾಗಿರುವ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಘಾನ ದಾರ್ಶನಿಕ ಸಮೂಹದ (ವಿತಂದಾಸ) ಶಿಫಾರಸ್ಸಿನ ಆದಾರದ ಮೇಲೆ 2020-21ನೇ ಸಾಲಿನ ವಿತಂದಾಸದ ಕರ್ನಾಟಕದ ಉನ್ನತ ಶಿಕ್ಷಣ ಸಂಸ್ಥೆಗಳಲ್ಲಿ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಘಾನದ ಮೂಲಸೌಕರ್ಯಾಭಿವ್ಯದ್ಧಿಗೆ ನಿಧಿ (K-FIST L1) ಯೋಜನೆಯಡಿ ತಾವು ಸಲ್ಲಿಸಿದ್ದ "Establishment of Laboratory for the testing of Nanocomposite Copolymers and their application in gas separation" ಶೀರ್ಷಿಕೆಯ ಪ್ರಸ್ತಾವನೆಯು ಆಯ್ಕೆಗೊಂಡು ಸರ್ಕಾರದಿಂದ ಅನುಮೋದನೆಗೊಂಡಿರುತ್ತದೆ ಎಂದು ತಿಳಿಸಲು ಹರ್ಜಿಸುತ್ತನೆ.

ವಿವಿಧ ಯೋಜನೆಯಡಿ ಆಯ್ಕೆಯಾದ ಸಂಸ್ಥೆ/ಪ್ರಸ್ತಾವನೆಗೆ ಸರ್ಕಾರದಿಂದ ಒದಗಿಸಲಾಗುವ ಅನುದಾನದ ವಿವರವನ್ನು ಅನುಬಂಧ-1 ರಲ್ಲಿ ಲಗತ್ತಿಸಿದ.

ಈ ನಿಟ್ಟಿನಲ್ಲಿ, ಈ ಕಳಕಂಡ ದಾಖಲೆಗಳನ್ನು ವಿತಂದಾಸ ಕಛೇರಿಗೆ (ನಂ: 702, 7ನೇ ಮಹಡಿ, 4ನೇ ಹಂತ, ಬಹುಮಹಡಿ ಕಟ್ಟಡ, ಅಂಬೇಡ್ಕರ್ ವೀದಿ, ಬೆಂಗಳೂರು-560001) ಸಲ್ಲಿಸಲು ಸೂಚಿಸಿದೆ.

- PPMS ನಲ್ಲಿ ಅರ್ಜಿಯೊಂದಿಗೆ ಸಲ್ಲಿಸಲಾಗಿರುವ ಸಂಬಂಧಪಟ್ಟ ಪ್ರಾಧಿಕಾರದ ಸಹಿಯಿರುವ ಕೆಳಕಂಡ ದಾಖಲೆಗಳು:
 - a) ಪ್ರಸ್ತಾವನೆ ಯ ಮೂಲ ಪ್ರತಿ 2 ಪ್ರತಿಗಳು
 - b) Pan-A ದಾಖಲೆಯ ಮೂಲ ಪ್ರತಿ (ಅನುಬಂಧ-1 ರಲ್ಲಿ ನೀಡಲಾಗಿರುವ ಅನುದಾನದ ವಿವರಕ್ಕೆ ಹೊಂದುವಂತೆ ಇರತಕ್ಕದ್ದು)
 - c) Undertaking letter ಮತ್ತು ಸಂಸ್ಥೆಯಿಂದ ನೀಡಲಾಗಿರುವ Endorsement Letter ನ ಮೂಲ ಪ್ರತಿಗಳು
 - d) ಸಂಶೋಧನಾ ಲೇಖನಗಳ (Publications) ಪ್ರತಿ, CV ಮತ್ತು ಇತರೆ ಸಂಬಂಧಪಟ್ಟ ದಾಖಲೆಗಳು
- 2) ಆಫಿಡವಿಟ್ (ಅನುಬಂಧ-2 ರಲ್ಲಿ ನೀಡಲಾಗಿರುವ ನಮೂನೆಯಲ್ಲಿ ರೂ. 100/- ರ ಭಾಪಾ ಕಾಗದದ ಮೇಲೆ ನೀಡತಕ್ಕದ್ದು).

ತ) ಸಂಸ್ಥೆಯ ಮುಖ್ಯಸ್ಕರ ಲೆಟರ್ ಹೆಡ್ ನಲ್ಲಿ ಅನುದಾನ ಬಿಡುಗಡೆಗೆ ಸಂಸ್ಥೆಯ ಬ್ಯಾಂಕ್ ಖಾತೆಯ ಕೆಳಕಂಡ ನಿವರ (ಸಂಸ್ಥೆಯ ಮುಖ್ಯಸ್ಕರ ಖಾತೆಯ ವಿವರವನ್ನು ಮಾತ್ರ ನೀಡತಕ್ಕದ್ದು).

> ಖಾತೆಯ ಹೆಸರು: ಖಾತೆಯ ಸಂಖ್ಯೆ: ಬ್ಯಾಂಕ್ ನ ಹೆಸರು ಮತ್ತು ಶಾಖೆ: IFSC ಸಂಖ್ಯೆ:

ಮುಂದುವರಿದು, ತಮ್ಮ ಯೋಜನೆಯ ಜಿ. ಆರ್. ಡಿ. ಸಂಖ್ಯೆ 951 ಆಗಿದ್ದು, ಮುಂದಿನ ಎಲ್ಲಾ ಪತ್ಯ ವ್ಯವಹಾರಗಳಿಗೆ ಈ ಸಂಖ್ಯೆಯನ್ನು ತಪ್ಪದೇ ನಮೊದಿಸಲು ಸೂಚಿಸಿದೆ.

ಈ ಎಲ್ಲಾ ದಾಖಲೆಗಳನ್ನು ದಿನಾಂಕ: 8ನೇ ಸೆಪ್ಟೆಂಬರ್, 2021 ರೊಳಗಾಗಿ ವಿತಂದಾಸ ಕಛೇರಿಗೆ ಸಲ್ಲಿಸಲು ಕೋರಿದೆ. ಹೆಚ್ಚಿನ ಮಾಹಿತಿಗೆ ದೂರವಾಣಿ ಸಂಖ್ಯೆ: 080-2203-2013/ ಇಮೇಲ್: visiongroup.st@gmail.com ನ್ನು ಸಂಪರ್ಕಿಸಬಹುದು.

ಧನ್ಯವಾದಗಳೊಂದಿಗೆ,

ನಿರ್ದೇಶಕರು ಕಾರ್ಲಿನ ಕಿಸ್ಕಪ್ಪ ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕೆಸ್ಕಪ್ಪ

ಪ್ರತಿ:

 ಪ್ರಾಂಶುಪಾಲರು, ಬಸವೇಶ್ವರ ವಿಜ್ಘಾನ ಕಾಲೇಜು, ಬಾಗಲಕೋಟೆ, ವಾರ್ಡ್ ಸಂಖ್ಯೆ 10, ಬಾಗಲಕೋಟೆ - 587 101.

ಖರ್ರೇ/ಶ್ರೀಮತಿ ಶೈತಾರಾಣಿ ರಾಜಮಣಿ, ಸಹಾಯಕ ಪ್ರಾಧ್ಯಾಪಕರು, (Co-PI) ಪಿ.ಜಿ ರಸಾಯನಶಾಸ್ತ್ರ ವಿಭಾಗ, ಬಸವೇಶ್ವರ ವಿಜ್ಞಾನ ಕಾಲೇಜು, ಬಾಗಲಕೋಟೆ, ವಾರ್ಡ್ ಸಂಖ್ಯೆ 10, ಬಾಗಲಕೋಟೆ - 587 101.

3) ಸರ್ಕಾರದ ಜಂಟಿ ಕಾರ್ಯದರ್ಶಿ, ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆ, ಕೋಠಡಿ ಸಂಖ್ಯೆ: 305, 5ನೇ ಮಹಡಿ, 5ನೇ ಹಂತ, ಬಹುಮಹಡಿ ಕಟ್ಟಡ, ಡಾ|| ಅಂಬೇಡ್ಕರ್ ವೀದಿ, ಬೆಂಗಳೂರು - 560 001.

4) ಕಟೇರಿ ಪ್ರತಿ.



ಕರ್ನಾಟಕ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಪಡ್ರೀವ್ಯಾಜಕ ಹುಕಿಸೈಬ

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NO. KSTePS/VGST/2020-21/K-FIST(L1)/GRO-951/85/2021-22/7772 CH3606: 28:10.2021

ಮಾನ್ಯರೇ,

ಹಿತಯು ವಿಚ್ಚಾನ ಮತ್ತು ತಂತ್ರಹ್ಥಾನ ದಾರ್ಶನಿಕ ಸಮೂಪದ KFIST (L1) ಯೋಜನೆಯಡಿಯಲ್ಲ ಮೊದಲನೇ ಕಂತಿನ ಅನುದಾನ ಅಡುಗಡೆ ಮಾಡಿರುವ ಬಗ್ಗೆ

ದಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆಯು, ಖ್ಯಾತ ವಿಜ್ಞಾನ ಭಾರತರತ್ನ ಪ್ರೊಪೆಸರ್ ಹಿ.ಎಸ್.ಆರ್. ರಾವ್. F.R.S. ರವರ ಅಧ್ಯಕ್ಷತೆಯಲ್ಲ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ದಾರ್ಶನಿಕ ಸಮೂಹ (ವಿತರಿದಾಸ) ವನ್ನು 2008ರಲ್ಲ ಸ್ಥಾಪಿಸಿದ್ದು, ಈ ಯೋಜನೆಯಡಿ ಹಲವಾರು ವೈಜ್ಞಾನಿಕ ಕಾರ್ಯಕ್ರಮಗಳನ್ನು ಕಳೆದೆ 12 ವರ್ಷಗಳಂದ ರಾಷ್ಟ್ರಾದ್ಯಂತ ಯಶಸ್ವಿಯಾಗಿ ಅನುಷ್ಟಾಸಗೊಳಿಸಿಕೊಂಡು ಅರುತ್ತಿರುವುದು ಸರಿಯಷ್ಟೆ 2020–21ನೇ ಸಾಅನಜ್ಞ ತಮ್ಮ ಸಂಸ್ಥೆಯಿಂದ ಸಜ್ಜಿಸಿದ ಪ್ರಸ್ತಾವನೆಯಾದ "Establishment of Laboratory for the testing of Nanocomposite Copolymers and their application in gas separation" ನ್ನು ವಿತಂದಾಸದ ಪ್ರಮುಖ ಕಾರ್ಯಕ್ರಮವಾದ Karnataka Fund for Infrastructure Strengthening in Science and Technology (KFIST (L1)) ಅಡಿಯಲ್ಲ ದಾರ್ಶನಿಕ ಸಮೂಹವು ಅಯ್ಯ ಮಾಡಿ, ಸಕಾಕರ ಅದೇಶ ನೀಡಿರುವುದು ತಮಗೆ ತಿಳದ ವಿಷಯವಾಗಿದೆ.

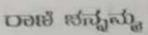
ಆದುದರಿಂದ. ತಮ್ಮ ಸಂಸ್ಥೆಯಿಂದ ಅಯ್ಯೆಗೊಂಡ ಪ್ರಸ್ತಾವನೆಗೆ ಮೊದಲನೇ ಕಂಡಾಗಿ ರೂ. 7,50,000/–ಗಳ ಅನುದಾನದನ್ನು ಕೆಸ್ಟೆಪ್ಟ್ಎಂದ Principal, Basaveshwara Science College (PUC) ಹೆಸರಿನ ಪ್ಯಾಂಕ್ ಭಾತೆಗೆ (UTR No. SBIN221295535301) RTGS ಮೂಲಕ ದಿನಾಂಕಃ 22.10.2021 ರಂದು ಇಡುಗಡೆ ಮಾಡಲಾಗಿರುತ್ತದೆ. ಸದರಿ ಅನುದಾನವನ್ನು ಸ್ಪೇಕರಿಸಿದ ನಂತರ, ಸ್ಟೀಕೃತ ಭಶೀದಿ (Acknowledgement) ಯನ್ನು ಕೆಸ್ಟೆಪ್ಟ್ ಸಂಸ್ಥೆಗೆ ಕಳುಹಿಸುವುದು.

ಮುಂದುವರದು, ಪ್ರಸ್ತುತ ಬಡುಗಡೆ ಮಾಡುತ್ತಿರುವ ಬೇ ಕಂತಿನ ಅನುದಾನಕ್ಕೆ ಈ ಕೆಳಕಂಡ ಪರತ್ತು ಮತ್ತು ನಿಬಂಧನೆಗಳನ್ನಯ ಉದ್ದೇಶಿತ ಯೋಜನೆಗೆ ಮಾತ್ರ ಬಳಸಿಕೊಳ್ಳುವುದು.

ಷರತ್ತು ಮತ್ತು ನಿಬಂಧನೆಗಳು

ಹ) ನಿಗದಿತ ಸಮೂನೆಯಲ್ಲರುವಂತೆ ಪ್ರಾಯೋಜಕತ್ವದ ಸಂಸ್ಥೆ/ಇಲಾಖೆಯ ಹೆಸರನ್ನು ಫಲಾನುಸನಿ ಸಂಸ್ಥೆಗಳಲ್ಲ ಸ್ಥಾಪಿಸಲಾಗಿರುವ ವಿತಂದಾಸದ ಸಂಸೋಧನಾ/ಬೋಧನಾ ಕೇಂದ್ರಗಳಜ್ಞ ಕಡ್ಡಾಯವಾಗಿ ಬೋರ್ಡ್ (ಕನ್ನಡ ಮತ್ತು ಅಂಗ್ಲ ಫಾಷೆಯಲ್ಲ) ಅನ್ನು ಅಳವಡಿಸುವುದು.

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RANI CHANNAMMA UNIVERSITY

Vidyasangama, National Highway - 04, Bhootaramanahatti, Belagavi - 591156

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Phone No. 00711-2565234

Ref No. ren/beligavi/ode/2022-27/ 2-309

Date 0 5 SEP 2022

OFFICE ORDER

Sub :Recognition of C.N.R. Rao Research Centre in Chemistry subject of B.V.V. Sangha's Hasaveshwar Science College Bagallot.

Ref. 1 Recommendation of C.N.R. Ran Research Centre in Chemistry with scent H.V.V. Sangha's Basaveshwar Science College Bagaikot.

2 Statute governing Research Programme in affillated Colleges of RCUB under Section 4 (1) of the KSU Act, 2000

3 Syndicate & Academic Resolution Dated - 29-03-2022

4.Hon ble Vice - Chancellor's order Dated:- 18-07-2022

With reference to the above, I am directed to inform on that, Ram a humanimal University. Beligavi is pleased to grant Research Centre to B.V.V. Sangha's Basis estimate Science College, Bagalkot as C.N.R. Rao Research Centre in the subject Chemistry to undertake research leading to the award of Ph.D. Degree as per Regulations governing the Doctoral Degree Programme (Ph.D.) of Ram Chamanima University, Belogasi from time to time with the following conditions:

CONDITIONS FOR RESEARCH CENTRE

- The Management shall earmark funds specifically for Research purpose to be given as grants to the tenchers aspiring to do research not less than Rs. 10 laklis per annum.
- 24. The Institution shall have Research Advisory Committee compromising of both Internal and external experts who shall screen such proposals of the projects for funding
- 30 a Disc distribution shall set up a separate Centre for Management research with an Independent senior researcher of the runs of the Professor Associate Professor appointed as per the norms to be supported at least one Associate Associant Professor.
- The institution shall endeavour to identify the areas of socio economic relevance for research purposes shall contribute for the development of the region.
- 5. The Institution in course of time shall develop separate dedicated infrastructure for research purpose.
- This recognition shall be valid for a period of three years: 22-23 to 201-25; duration
 as per the statute of the University.

Щ

Principal,

B. V. V. S's Basaveshwas
Science College, Bagalkot





FT-IR Spectrophotometers(Shimadzu) & KBr Pellet Press



High-performance liquid chromatography (HPLC)



UV-Visible Spectrophotometer & UV-transilluminator



Cyclic Voltammeter



Contact angle measurement



Rotary evaporator

Principal, 6. V. V. S's Buserotows Science College, Bacallut





BSc final year students FT-IR demonstration and Analysis of organic compounds

Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.









